Annual Report

Central Pollution Control Board
(Ministry of Environment Forest & Climate Change)
Waste Management Division
Delhi – 110032
******

Format for Submission of the Annual Report Information on Bio-medical Waste Management By the SPCBs/PCCs to CPCB for the period January, 2016 to December, 2016

(1) Name of the State Pollution Control Board / Pollution Control Committee :Tamilnadu Pollution Control Board

(2) Name of the Nodal Officer with contact telephone no. & e-mail :Thiru.R.Kannan
044-22353134-509
jcee4tnpcb@gmail.co

(3) Total no. of HCFs :3977
(i) Bedded :3758
(ii) Non-bedded :219

(4) Total no. of beds : 137825

(5) Status of authorisation :
a) Total no. of HCFs applied for authorisation :3897
b) Total no. of HCFs granted authorisation :3539
c) Total no. of application under consideration :328
d) Total no. of application rejected :30
e) Total no. of HCFs in operation without applying for authorisation :80

(6) Quantity of Bio-medical Waste Generation (in kg/day) :
a) Bio-medical waste generation by bedded hospitals(in kg/day) :43268.2
b) Bio-medical waste generation by non-bedded hospitals (in kg/day) :520.886
c) Any other :--

Total : 43789.006 in kg/day

(7) Bio-medical waste treatment & disposal :
a) Captive bio-medical waste treatment & disposal by HCFs (please enclose details as per Annexure-I(a)) NIL

S. No.	Healthcare Facility	Treatment & Disposal				
		No. of HCFs having captive treatment facilities	Total installed captive treatment facility			Total bio-medical waste treated & disposed by captive treatment facilities in kg/day
			Type of treatment equipment	No.	Capacity (in kg/day)	
(i)	Bedded		• Incinerator			
			• Plasma Pyrolysis			
			• Autoclaves			
			• Microwave			
			• Hydroclave			
			• Shredder			
			• Sharps encapsulation or concrete pit			
			• Deep burial pits			
			• Any other treatment equipment			
(ii)	Non-bedded		• Incinerator			
			• Plasma Pyrolysis			
			• Autoclaves			
			• Microwave			
			• Hydroclave			
			• Shredder			
			• Sharps encapsulation or concrete pit			
			• Deep burial pits			
			• Any other treatment equipment			
			Total (in kg/day)			

b) Bio-medical waste treatment & disposal by CBWTFs (please enclose details as per Annexure-I (b)) Enclosed

Total no. of CBWTFs		Total installed treatment capacity			Total bio-medical waste treated in kg/day
In operation	Under Construction	Type of treatment equipment	No.	Total Capacity (in kg/day)	
11	3	Incinerator			
		Plasma Pyrolysis			
		Autoclave			
		Hydroclave			
		Microwave			
		Shredder			
		Sharps encapsulation or concrete pit			
		Deep burial pits			
		Any other equipment			
		Effluent Treatment Plant			
		Total			

(8) Total bio-medical waste generation : 43789.006 kg/day

(9) Total bio-medical waste treated & disposed (in kg/day) :
- By Captive Treatment Facilities by the HCFs : NIL
- By CBWTFs :43789

(10) Total no. of violation by: :45
- HCFs :1
- CBWTFs

(11) Show cause notices/directions issued to defaulters: : 45
- HCFs : 1
- CBWTFs

(12) Any other relevant information:
a) No. of workshops / trainings conducted during the year :857
b) No. of HCFs installed liquid waste treatment facility :1938
c) No. of captive incinerators complying to the norms :--
d) No. of HCFs organised trainings :10
e) No. of HCFs constituted Bio-medical Waste Management Committees :540
f) No. of HCFs submitted Annual Report :297
g) No. of HCFs practising pre-treatment of lab microbiology & Bio-technology waste :931

Annexure-I

(a) Information on HCFs having captive treatment facilities (for the Year 2016) NIL

S. No.	Name & address of the HCF	Quantity of Bio-medical Waste generation (in kg/day)					Total installed treatment capacity in kg/day				Total bio-medical waste treated in kg/day	
		Yellow	Red	Blue	White	Total bio-medical waste generated (in kg/day)	Incinerator	Autoclave	Deep Burial	Any other		
											Incinerator:	
											Autoclave:	
											Deep	
											Burial:	
											Any other:	
											Total:	

(b) Information on Common Bo-medical Waste Treatment & Disposal Facilities (for the Year 2016) Enclosed Vide Annexure-II

S. No.	Name & Address of the CBWTF with contact person name and telephone no.	GPS Coordinates	Coverage Area in KMS	Name of the cities/ areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total Quantity of BMW collected from member HCFs (in Kg/day)	Capacity of Treatment equipments installed by CBWTFs			Total bio-medical waste treated in kg/day	Method of Disposal of treated wastes (Incineration Ash/Sharps/Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
								Incinerator				Incineration Ash: Quantity: Disposed by:
								Plasma Pyrolysis				
								Autoclave				Sharps: Quantity: Disposed by:
								Hydroclave				
								Microwave				Plastics: Quantity: Disposed by:
								Shredder				
								Sharps encapsulation or concrete pit				
								Deep burial pits				ETP Sludge: Quantity: Disposed by:
								Any other equipment				
								Effluent Treatment Plant				
								Sub-total				

- No. of vehicles used for collection of Bio-medical Waste: 64

- List of HCFs not having membership with the CBWTFs & neither having captive treatment facilities: NIL
- No. of trainings organised by the CBWTF:847
- No. of Accidents:NIL
  (i) Reported:--
  (ii) Remedial measures taken:--

ANNEXURE-I

Biomedical Waste Treatment & Disposal by CBMWTFs

S.No.	Total No. of CBMWTFs		Total installed treatment capacity			Total biomedical waste treated in kg/day
	In operation – 11	Under construction – 3 (CTE issued)	Type of treatment equipment	No.	Total Capacity (in kg/day)	
1.	M/s. G.J Multiclave (India) Pvt Ltd, Themnelpakkam, No.20, Teachers Colony, Adyar, Chennai – 600 020.		Incinerator	2	Capacity each of 200 kgs/hr and 250 kgs/hr	7500
			Plasma Pyrolysis			
			Autoclave	2	Capacity to handle 700 Ltrs/Cycle & 750 Ltrs/Cycle	
			Hydroclave			
			Microwave			
			Shredder	2	Capacity each of handle 50 kgs/hr and 100kgs/hr	
			Sharps encapsulation or concrete pit			
			Deep burial pits	475	1000 Pits	
			Any other equipment			
			Effluent Treatment Plant	1	25 KLD/day	
2.	M/s.Tamilnadu waste management ltd, Servey No.29/2, 3, K.K.Pudur Road, Kinar village, Kancheepuram Dist.		Incinerator	1	200 kgs/hr	9987
			Plasma Pyrolysis			
			Autoclave	1	810 ltrs	
			Hydroclave			
			Microwave			
			Shredder	2	80kgs per hr /80 kgs per hrs	
			Sharps encapsulation or concrete pit	sharps sent to Foundry		
			Deep burial pits			
			Any other equipment			
			Effluent Treatment Plant			

3.	M/s. Medicare Enviro System, Sengipatti Village, Thanjavur Taluk, Thanjavur Dt.		Incinerator	1	150 Kg/hr	2914.155
			Plasma Pyrolysis	-	-	
			Autoclave	1	500 Lits/ Batch	
			Hydroclave	-	-	
			Microwave	-	-	
			Shredder	1	50 Kg/hr	
			Sharps encapsulation or concrete pit	1	1.0 m dia X 1.65 m depth	
			Deep burial pits	-	-	
			Any other equipment	-	-	
			Effluent Treatment Plant	1	1500 Lits/day	
4.	KEN BIOLINKS PVT LTD 1/150.- SLRS HOSPITAL ROAD KANDIPEDU VILLAGE KATAPADI TALUK VELLORE DISTRICT		Incinerator	1 WITH TWIN FURNACE AND A COMMON GAS CLEANIGN SYSTEM	250 KGS/DAY	5344.48
			Plasma Pyrolysis	NIL	NIL	
			Autoclave	1	1000 LITS 225 KGS/BATCH	
			Hydroclave	NIL	NIL	
			Microwave	NIL	NIL	
			Shredder	1	75 KGS/HOUR	
			Sharps encapsulation or concrete pit	12	-	
			Deep burial pits	NIL	NIL	
			Any other equipment	-	-	
			Effluent Treatment Plant	15KLD	10 KLD	
5.	Society for Bio Medical Waste Management Ottupattarai Village, Coonoor. (IMA Nilgiris)		Incinerator	--		26
			Plasma Pyrolysis	--		
			Autoclave	1	150 Kgs/day	
			Hydroclave	--		

			Microwave	--	
			Shredder	1	25 Kgs/Hour
			Sharps encapsulation or concrete pit	--	
			Deep burial pits	1	--
			Any other equipment	--	
			Effluent Treatment Plant	1	--
6.	M/s. Tekno Therm Industries, 183/1A, Orrattu Kuppai Village, Chettipalayam (Podhanur), Coimbaore.		Incinerator	1	250 kgs/hour - 5500 kg/day
			Plasma Pyrolysis		
			Autoclave	1	2000 litrs capacity - 16000 litrs/day
			Hydroclave	Not Available	Not Available
			Microwave	Not Available	Not Available
			Shredder	1	100 kgs/hour - 2000 kgs/day
			Sharps encapsulation or concrete pit		
			Deep burial pits	NIL	20 feet x 10 feet x 6 feet depth Engineered secured land fill
			Any other equipment		
			Effluent Treatment Plant	1	25m 3 / day
7.	KOVAI BIOWASTE MANAGEMENT (P) LTD, No.402,4TH FLOOR,RAMANI'S FRASER SQUARE,GOODS SHED ROAD,COIMBATORE-1		Incinerator	1	2000 kgs/day
			Plasma Pyrolysis	0	Not Available
			Autoclave	1	2400 lts/day
			Hydroclave	0	Not Available
			Microwave		
			Shredder	1	200 kgs/day
			Sharps encapsulation or concrete pit	1	***
			Deep burial pits	0	10 feet x 20 feet x6feet depth Engineered secured land fill
			Any other equipment	1	30KVA

			Effluent Treatment Plant	1	***	
8.	M/s. Neat and Clean Service Squad, Muthuvayal, Ramanathapuram District.		Incinerator	–		105
			Plasma Pyrolysis	–		
			Autoclave	1	100L/hr	
			Hydroclave	–		
			Microwave	–		
			Shredder	1	10Kg/hr	
			Sharps encapsulation or concrete pit	1	2Kg/day	
			Deep burial pits	1	40Kg/day	
			Any other equipment	–		
			Effluent Treatment Plant	–		
9.	Ramky Energy & Environment Ltd. Survey.no 136,137 Undrumikidakulam, Tiruchuli Taluk,Virudhunagar district.		Incinerator	1	150	4350
			Plasma Pyrolysis	Nil	Nil	
			Autoclave	1	450 ltr/cycle	
			Hydroclave	Nil	Nil	
			Microwave	Nil	Nil	
			Shredder	2	100kg/hr glass. 40 kg/hr plastic	
			Sharps encapsulation or concrete pit			
			Deep burial pits			
			Any other equipment			
			Effluent Treatment Plant			
10.	Aseptic Systems Bio Medical Waste Management Company No.A65, 5th Cross Street, NGO'A"Colony Tirunelveli-627007		Incinerator	1	250kg/hour	2947
			Plasma Pyrolysis			
			Autoclave	1	150kg/cycle	
			Hydroclave			
			Microwave			
			Shredder	2	500kg/hour	

			Sharps encapsulation or concrete pit			
			Deep burial pits	7	6000kg/each	
			Any other equipment			
			Effluent Treatment Plant	1	8000ltr	
11.	M/s.Ramky Energy And Environment Ltd, No:10,Thangayur Village, Edappadi Taluk,Salem-Dist		Incinerator	1	150/Kg/hr	4815.57
			Plasma Pyrolysis			
			Autoclave	1	650 Litrs	
			Hydroclave			
			Microwave			
			Shredder	2	50 Kg Per Hr/ and 75Kg/Per Hr	
			Sharps encapsulation or concrete pit	1	Sharp pit-1 no	
			Deep burial pits			
			Any other equipment			
			Effluent Treatment Plant	1	Yes 15000 Litrs/day	
					Total	**43789**

ANNEXURE - II

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Coordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated wastes (Incineration Ash / Sharps / Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
1.	M/s. Multiclave (India) Pvt Ltd, Themnelpakkam, No.20, Teachers Colony, Adyar, Chennai – 600 020. Siva Kumar 98409196971	Btree Technologies	75 Kms	Part Chennai & Kancheepuram	840	20521	7500 kg / day	Incinerator	2	Capacity each of 200 kgs/hr and 250 kgs/hr	7500	Incineration Ash: Quantity: Disposed by:TSDF
								Plasma Pyrolysis				
								Autoclave	2	Capacity to handle 700 Ltrs/Cycle & 750 Ltrs/Cycle		Sharps: Quantity: Disposed by:Pit
								Hydroclave				
								Microwave				Plastics: Quantity: Disposed by:Authorized recycler
								Shredder	2	Capacity each of handle 50 kgs/hr and 100kgs/hr		
								Sharps Encapsulation or concrete pit				
								Deep burial pits	475	1000 Pits		ETP Sludge: Closed Quantity: Disposed by:TSDF
								Any other equipment				
								Effluent Treatment Plant	1	25 KLD/day		
								Sub-total				

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Coordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated wastes (Incineration Ash / Sharps / Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
2.	M/s.Tamilnadu waste management ltd, Servey No.29/2, 3, K.K.Pudur Road, Kinar village, Kancheepuram Dist. Mr.Sridhar Reddy Mobile No.9047011161 Mail Id : financetnwml@ramky.com	Yes		Entire Kancheepuram Dist	26	112	9987	Incinerator	1	200 kgs/hr	9987 Kg / day	Incineration Ash: Closed Container – secured land fill (TNWML, Gummidipoondi) Quantity:0.85 Disposed by:
								Plasma Pyrolysis				
								Autoclave	1	810 ltrs		Sharps: Pit Quantity: 0.110 Disposed by:
								Hydroclave				
								Microwave				Plastics: Tranfer to Recycler Quantity: 0.150 Tons Disposed by:
								Shredder	2	80kgs per hr /80 kgs per hrs		
								Sharps Encapsulation or concrete pit				
								Deep burial pits				ETP Sludge: Closed container secured land fill (TSDF) Quantity: 0.027 Disposed by:
								Any other equipment				
								Effluent Treatment Plant	1	Yes 18000 Litrs/day		

Annexure II

Information on Common Bio-Medical Waste Treatment Facilities for the year 2016

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Coordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated wastes (Incineration Ash / Sharps / Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
3.	M/s. Medicare Enviro System, Sengipatti Village, Thanjavur Taluk, Thanjavur Dt. Mr. R. Shantharam, 98424 74846 & medicareenviro @yahoo.co.in	--	140	Nagapattinam, Thanjavur, Trichy, Ariyalur, Perambalur, Thiruvarur, Pudukottai, Sivagangai	719	15072	2914.155	Incinerator	1	150 Kg/hr	2914.155	Incineration Ash: Quantity: 35 kg/Day Disposed to: TSDF facility at Gummidipoondi
								Plasma Pyrolysis	-	-		
								Autoclave	1	500 Lits/ Batch		Sharps: Quantity: 5 kg/Day Disposed by: Sharp pit
								Hydroclave	-	-		
								Microwave	-	-		Plastics: Quantity:20 kg/Day Disposed by: Recycler
								Shredder	1	50 Kg/hr		
								Sharps Encapsulation or concrete pit	1	1.0 m dia X 1.65 m depth		
								Deep burial pits	-	-		ETP Sludge: Quantity:5 kg/Day Disposed toy: TSDF facility at Gummidipoondi
								Any other equipment	-	-		
								Effluent Treatment Plant	1	1500 Lits/day		
								Sub-total				

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Co-ordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated wastes (Incineration Ash / Sharps / Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
4.	KEN BIOLINKS PVT LTD 1/150.- SLRS HOSPITAL ROAD KANDIPEDU VILLAGE KATAPADI TALUK VELLORE DISTRICT SHIVA SUBRAMANIAN +91-99623-11011	13.0139° N, 79.1919° E	120 SQ.KMS	HEALTH CARE ESTABLISHMENTS FALLING WITHIN THE TWO DISTRICTS OF VELLORE AND TIRUVANNAMALAI – TAMIL NADU	348	10240	5344.48 KGS/DAY COLLECTIVELY ALL WASTE PUT TOGETHER	Incinerator	1WITH TWIN FURNACE AND A COMMON GAS CLEANIGN SYSTEM	250 KGS/DAY	5344.48 KGS/DAY	Incineration Ash: Qty:7500 kg/M Disposed by: TSDF
								Plasma Pyrolysis	NIL	NIL		
								Autoclave	1	1000 LITS 225 KGS/BATCH		Sharps: Qnt: 460 KGS/MONTH Disposed by: NEEDLE PITS AFTER DISINFECTION
								Hydroclave	NIL	NIL		
								Microwave	NIL	NIL		Plastics: Qty: 3620 KGS/MONTH Disposed by: TNPCB AUTHORISED RECYCLER
								Shredder	1	75 KGS/HOUR		
								Sharps Encapsulation or concrete pit	12	-		
								Deep burial pits	NIL	NIL		ETP Sludge: Qty: 350 KGS/MONTH Disposed by: TSDF
								Any other equipment	-	-		
								Effluent Treatment Plant	15KLD	10 KLD		

Sl. No.	Name & Adress of the CBWTF with contact person name and telephone No.	GPS Coordinates	Coverage Area in Kms.	Name of the cities /areas covered by CBWTF	Total No.of HCFs being covered	Total No.of beds covered	Total Quantity of BMW collected, treated member HCFsf (in Kg/day)	Capacity of Treatment equipments/ installed by CBWTFs			Total Bio Medical Waste treated in Kg/day	Method of disposal of treated wastes(Incineration Ash/shrps/ plastics)
								Eqipment	Nos.	Total installed Capacity Kg/day		
								Incinerator	--		26	
								Plasma Pyrolysis	--			
5.	Society for Bio Medical Waste Management Ottupattarai Village, Coonoor. (IMA Nilgiris) Dr. Muralidharan 9443475946	--	75 Kms	Nilgiris District	20- Hospitals, 1-Govt Hospital 140 Nos Clinics and 12 labs	556	26.12 Kg/ Day	Autoclave	1	150 Kgs/day		
								Hydroclave	--			
								Microwave	--			Sharps disposed into secured landfil pit
								Shredder	1	25 Kgs/Hour		
								Sharps Encapsulation or concreate pit	--			
								Deep burial	1	--		
								Any other equipment	--			
								ETP	1	--		
								Sub Total	4			

Sl.No.	Name & Address of the CBWTF with contact person name and telephone no.and email id	GPS Coordinatres	Coverage area In Kms	Name of the cities/areas covered by CBWTF	Total No.of HCFs being covered	Total No.of beds covered	Total Quantity of BMW collected, treated and disposed of (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical wast treated in kg/day	Method of Disposal of treated w es (Incineration/ Ash/Sharps/Plastics
								Equipment	Nos	Total installed capacity in (kg/day)		
6.	M/s. Tekno Therm Industries, 183/1A, Orrattu Kuppai Village, Chettipalayam (Podhanur), Coimbaore. Mr.S.Sudhakar - 9787333123		1.6km	Coimbatore, Pollachi, Udumalpet, Dharapuram, Kangeyam, Vellakovil, Mettupalayam, Tirupur.	538 HCF	12,500 Beds	BMW Generated - 5200 kgs/day, Recycle treated - 1250 kgs/day, After treated disposed - 1150 kgs/day.	Incinerator	1	250 kgs/hour - 5500 kg/day	5200	Land fill, Sharp pit, After disinfection , Shredding and despatched to authorized recycler.
								Plasma Pyrolysis				
								Autoclave	1	2000 litrs capacity - 16000 litrs/day		
								Hydroclave	Not Avai labl e	Not Available		
								Microwave	Not Avai labl e	Not Available		
								Shredder	1	100 kgs/hour - 2000 kgs/day		
								Sharps Encapsulation or concreate pit				
								Deep burial	NIL	20 feet x 10 feet x 6 feet depth Engineered secured land fill		
								Any other equipment				
								Effluent Treatment Plant	1	25m 3 / day		

S.NO	Name and Address of the CBWTF with contact person name and telephone no.and email id	GPS Coordinates	Coverage area in Kms	Name of the cities / areas covered by CBWTF	Total no.of HCFs being covered	Total no.of HCFs of beds covered	Total quantity of BMW collected from member HCFs(in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kgs/day	Method of disposal of treated wastes (Incineration /ash/Sharps/Plastics) DAILY
								Equipment	Nos.	Total installed capacity(kg/day)		
7.	KOVAI BIOWASTE MANAGEMENT (P) LTD, No.402,4TH FLOOR,RAMANI'S FRASER SQUARE,GOODS SHED ROAD,COIMBATORE -1 MANAGEING DIRECTOR Mrs.S.BHUVANESWAR PHONE:0422-4504050/9894012221		550KM/DAY	COIMBATORE AND NILGIRIS	150	900 BEDS	600 KGS/DAY	Incinerator	1	2000 kgs/day	600 kgs	Incineration Ash: Quantity:30Kgs Disposed by:
								Plasma Pyrolysis	0	Not Available		Sharps:20Kgs Quantity: Disposed by:
								Autoclave	1	2400 lts/day		Plastics:250kgs Quantity: Disposed by:
								Hydroclave	0	Not Available		ETP Sludge: Quantity:15kg Disposed by:
								Microwave				
								Shredder	1	200 kgs/day		
								Sharps Encapsulation or concrete pit	1	***		
								Deep burial pits	0	10 feet x 20 feet x6feet depth Engineered secured land fill		
								Any other equipment(Generator)	1	30KVA		
								Effluent Treatment Plant	1	***		
								Sub-total	6	***		

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Coordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated waste (Incineration Ash / Sharps / Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
8.	Neat And Clean Service Squad	–	75	Entire Ramanathapuram District & Manamadurai Town of Sivagangai District	102	700	105 Kg/day	Incinerator	–		105 Kg/day	Incineration Ash: - Quantity: Disposed by:
								Plasma Pyrolysis	–			
								Autoclave	1	100L/hr		Sharps: Quantity: 2Kg/day Disposed y:Sharp pit
								Hydroclave	–			
								Microwave	–			Plastics: Quantity: 10Kg/d Disposed by: Sold out
								Shredder	1	10Kg/hr		
								Sharps Encapsulation or concrete pit	1	2Kg/day		
								Deep burial pits	1	40Kg/day		ETP Sludge: Quantity: - Disposed by:
								Any other equipment	–			
								Effluent Treatment Plant	–			
								Sub-total	4			

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Coordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated wastes (Incineration Ash / Sharps / Plastics) (Overall)
								Equipment	Nos.	Total installed capacity (kg/day)		
٩	Ramky Energy & Environment Ltd. Survey no 136,137 Undrumikidakulam, Tiruchuli Taluk,Virudhunagar district. J.Sureshkumar 9677122718	9.69 N 79.24 E	300	1.Madurai District 2. Dindugal District 3. Theni District 4. Virudhunagar District 5. Ramnad District (Govermnet Hospital Only)	738	9882	4350	Incinerator	1	150	4350	Incineration Ash: Quantity:20T/Annum Disposed by: Temporarily stored in secured tanks inside the premises & need to sent to TSDF facility for land fill
								Plasma Pyrolysis	Nil	Nil		
								Autoclave	1	450 ltr/cycle		Sharps: Quantity:200 kg / Month Disposed by: Grinding,Landfill
								Hydroclave	Nil	Nil		
								Microwave	Nil	Nil		Plastics: Quantity:300 kg /Month
								Shredder	2	100kg/hr glass. 40 kg/hr plastic		Disposed by: Autoclaving,shreeding & Recycle.

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Coordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated was (Incineration Ash / Sharps / Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
١٥.	Aseptic Systems Bio Medical Waste Management Company No.A65, 5th Cross Street, NGO'A"Colony Tirunelveli-627007 0462-2553268 nellaictf@gmail.com		3 vehicles Each has to travel 250 kms average Total 700-750 kms per day	Tirunelveli city, Amabasamuthiram, Tenkasi, Sankarnkovil, Sivagiri, Radhapuram, Nanguneri, shengottai	389	6594	2947 kg	Incinerator	1	250kg/hour	2947	Incineration Ash: Quantity:23 kg Disposed by:deep burial
								Plasma Pyrolysis				
								Autoclave	1	150kg/cycle		Sharps: Quantity:7kg Disposed by:deep burial
								Hydroclave				
								Microwave				Plastics: Quantity:97 Disposed by:recyclers
								Shredder	2	500kg/hour		
								Sharps Encapsulation or concrete pit				
								Deep burial pits	7	6000kg/each		ETP Sludge: Quantity:80kg Disposed by:deep burial
								Any other equipment				
								Effluent Treatment Plant	1	8000ltr		
								Sub-total	12			

S. No.	Name and Address of the CBWTF with contact person name and telephone no. and email id	GPS Coordinates	Coverage area in kms	Name of the cities / areas covered by CBWTF	Total no. of HCFs being covered	Total no. of beds covered	Total quantity of BMW collected from member HCFs (in kg/day)	Capacity of Treatment equipments installed by CBMWTFs			Total bio medical waste treated in kg/day	Method of disposal of treated wastes (Incineration Ash / Sharps / Plasties)
								Equipment	Nos.	Total installed capacity (kg/day)		
11	M/s.Ramky Energy And Environment Ltd, No:10,Thangayur Village, Edappadi Taluk,Salem-Dist M.D.Selvapandian, Ph:9840939811 Email:selvapandian.md@ramky.com	YES		Entire Salem district	230	GH:2173 PVT:4213	Gh:210 Pvt:125	Incinerator	1	150/Kg/hr	4815.57 Kg/day	Incineration Ash: Closed Container-Secured land fill (TNWML,Chennai)) Quantity:0.870 Tons Disposed by:
								Plasma Pyrolysis				
								Autoclave	1	650 Litrs		Sharps: pit Quantity:0.820 Tons Disposed by:
								Hydroclave				
								Microwave				Plastics: Transfer to Recycler Quantity:1.705 Tons Disposed by:
								Shredder	2	50 Kg Per Hr/ and 75Kg/Per Hr		
								Sharps Encapsulation or concrete pit	1	Sharp pit-1 no		
								Deep burial pits				ETP Sludge: Closed Container-Secured land fill (TSDF) Quantity:0.120 Tons Disposed by:
								Any other equipment				
								Effluent Treatment Plant	1	Yes 15000 Litrs/day		