



SEIL Energy India Limited
(Formerly Sembcorp Energy India Limited)
CIN: U40103HR2008PLC095648
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SEIL P1/MoEF&CC/Chennai/2025/001
26th April 2025

To
The Regional Director,
Regional Office (South Eastern Region),
Ministry of Environment, Forest & Climate Change,
1st & 2nd Floor, HEPC Building, No. 34,
Cathedral Garden Road, Nungambakkam,
Chennai- 600034.

Sub: Submission of annual implementation report of ash for FY2024-25 of SEIL Energy India Limited Project-1 [Formerly known as Sembcorp Energy India Limited], Nellore.

Ref: 1. Fly Ash Notification S.O 5481(E) dated 31st December 2021
2. CFO issued Vide Order No: APPCB/VJA/NLR/930/HO/CFO/2016 dated 16.11.2021, valid till 30.11.2026.

Dear Sir,

In reference to the above, please find the annual implementation report of ash for SEIL Energy India Limited Project-1 [Formerly known as Sembcorp Energy India Limited], Nellore for the period from 01-04-2024 to 31-03-2025 in duly filled in prescribed Annexure.

Hope the above is in order.

Thanking you,

Yours Faithfully,
For **M/s. SEIL Energy India Limited**


Gnanadesigan N
Head HSE- SEIL

Encl: Annual Fly Ash Utilization Report with supporting Annexures

Copy to:

1. The Additional Director, Scientist –'E', MoEF&CC, IRO, Vijayawada
2. The Divisional Head, IPC-II, CPCB, Delhi
3. The Member Secretary, APPCB, Vijayawada
4. The Regional Officer, APPCB, Nellore

Annexure

Ash Compliance Report (for the period 1st April-31st March) to be submitted on or before 31st May.

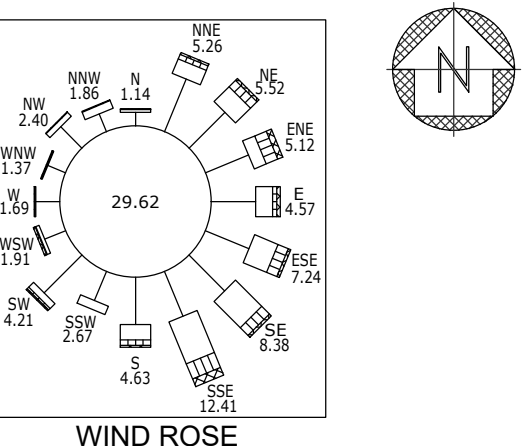
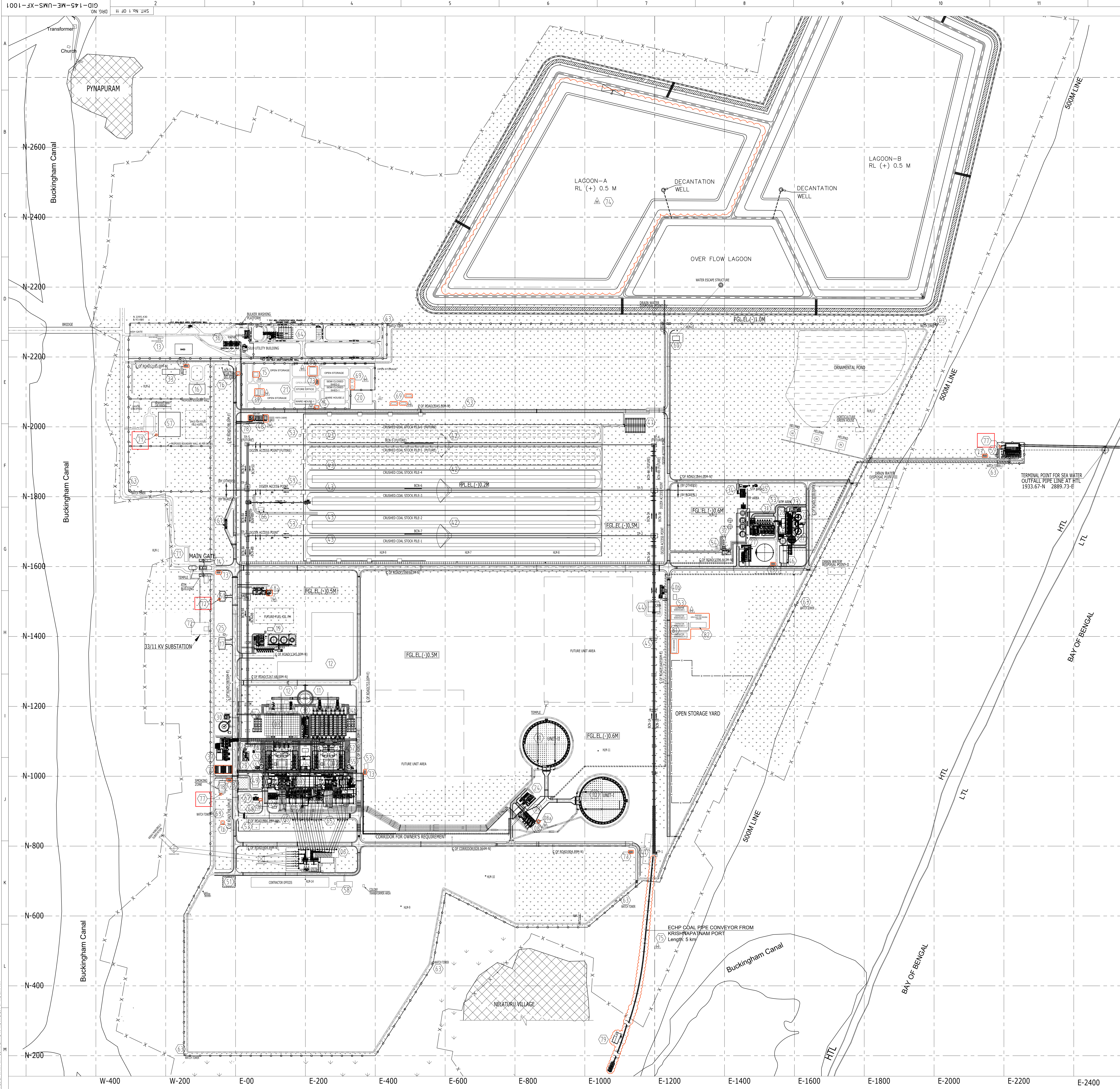
Sl. No.	Details	
1.	Name of Power Plant	SEIL Energy India Limited Project-1
2.	Name of the company	SEIL Energy India Limited
3.	District	SPSR Nellore
4.	State	Andhra Pradesh
5.	Postal address for communication:	SEIL Energy India Limited Project-1 (Formerly known as Sembcorp Energy India Limited) Pyanampuram/Nelaturu Villages, Muthukur Mandal, SPSR Nellore – 524344, Andhra Pradesh, India.
6.	E-mail:	siva.ramakrishna@seilenergy.com
7.	Power Plant installed capacity (MW):	2 Units x 660 MW
8.	Plant Load Factor (PLF):	70.35%
9.	No. of units generated (MWh):	8134603
10.	Total area under power plant (ha): (including area under ash ponds)	553.205
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	53,09,225
12.	Average ash content in percentage (per cent):	27.78%
13.	Quantity of current ash generation during reporting period (Metric Tons per Annum): Fly ash (Metric Tons per Annum): Bottom ash (Metric Tons per Annum):	14,75,113.70 13,27,807.90 1,47,305.80
14.	Capacity of dry fly ash storage silo(s) (Metric Tons):	3 No's of Silos of each 2000 m ³ capacity
15.	Details of utilisation of current ash generated during reporting period (a) Total quantity of current ash utilised (MTPA) during reporting period: (b) Quantity of fly ash utilised (MTPA): (i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels) (ii) Cement manufacturing:	(a) 18,26,588.78 (b) 12,62,197.67 (i) 2,03,404.95 (ii) 10,52,327.39

	(iii) Ready mix concrete: (iv) Ash and Geo-polymer based construction material: (v) Manufacturing of sintered or cold bonded ash aggregate: (vi) Construction of roads, road and fly over embankment: (vii) Construction of dams: (viii) Filling up of low lying area: (ix) Filling of mine voids: (x) Use in overburden dumps: (xi) Agriculture: (xii) Construction of shoreline protection structures in coastal districts; (xiii) Export of ash to other countries: (xiv) Others (please specify): (c) Quantity of bottom ash utilised (MTPA): (i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels): (ii) Cement manufacturing: (iii) Ready mix concrete: (iv) Ash and Geo-polymer based construction material: (v) Manufacturing of sintered or cold bonded ash aggregate: (vi) Construction of roads, road and flyover embankment: <u>(Bottom Ash+ Unutilized fly ash)</u> (vii) Construction of dams: (viii) Filling up of low lying area: (ix) Filling of mine voids: (x) Use in overburden dumps: (xi) Agriculture: (xii) Construction of shoreline protection structures in coastal districts: (xiii) Export of ash to other countries: (xiv) Others (please specify): Total quantity of current ash unutilised (MTPA) during reporting period:	(iii) 6,465.33 (iv) — (v) — (vi) — (vii) — (viii) — (ix) — (x) — (xi) — (xii) — (xiii) -- (xiv) -- (c) 2,12,916.03 (i) — (ii) — (iii) — (iv) — (v) — (vi) 2,12,916.03 (vii) — (viii) — (ix) — (x) — (xi) — (xii) — (xiii) — (xiv) — -NIL-
16.	Percentage utilisation of current ash generated during reporting period (per cent):	100%
17.	Details of disposal of ash in ash ponds (a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period): (b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons): (c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m³): (d) Total number of ash ponds: (i) Active: (ii) Exhausted (yet to be reclaimed): (iii) Reclaimed: (e) total area under ash ponds (ha):	(a) 28,32,412 (b) NIL (c) 7,44,780 m³ (d) 2 (i) 2 (ii) - (iii) 0 (e) 99 (Including overflow lagoon)
18.	Individual ash pond details <i>Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</i> <i>1. Ash Pond (Lagoon-A & Lagoon-B)</i> (a) Status: Under construction or Active or Exhausted or	1. (a) Active

	Reclaimed (b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY): (c) Date of stoppage of ash disposal in ash pond after completing its capacity (DD/MM/YYYY or MM/YYYY): (Not applicable for active ash ponds) (d) area (hectares): (e) dyke height (m): (f) volume (m³): (g) quantity of ash disposed as on 31st March (Metric Tons): (h) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons): (i) expected life of ash pond (number of years and months): (j) co-ordinates (Lat and Long): (Please specify minimum 4 co-ordinates) (k) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining (l) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD) (m) Ratio of ash: water in slurry mix (1: ____): (i) Ash water recycling system (AWRS) installed and functioning: Yes or No (n) Quantity of wastewater from ash pond discharged into land or water body (m³): (o) Last date when the dyke stability study was conducted and name of the organisation who conducted the study: (l) Last date when the audit was conducted and name of the organisation who conducted the audit:	(b) April 2015 (c) NA (d) 99 (Including overflow lagoon) (e) 8.8 meter (f) 60.6 Lakh m³ (g) 2.480 million MT (h) 55% & 30.2 Lakh MT (i) 25 Years (Design Life) (j) 14°20'47.2"N 80°08'52.6"E 14°20'42.8"N 80°09'13.1"E 14°20'57.3"N 80°09'19.0"E 14°20'50.3"N 80°09'33.5"E (k) HDPE Lining (l) Wet Disposal (LCSD) (m) 1: 2.3 (Ash recovery water is in service) (i) Yes (n) NIL (o) 10th January 2025 & IIT Chennai (1) 01st November 2024 & NIT Warangal
19.	Quantity of legacy ash utilised (MTPA): i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels): ii. Cement manufacturing: iii. Ready mix concrete: iv. Ash and Geo-polymer based construction material: v. Manufacturing of sintered or cold bonded ash aggregate: vi. Construction of roads, road and flyover embankment: vii. Construction of dams: viii. Filling up of low lying area: ix. Filling of mine voids: x. Use in overburden dumps: xi. Agriculture: xii. Construction of shoreline protection structures in coastal districts; xiii. Export of ash to other countries: xiv. Others (please specify):	3,51,475.08 (i) - (ii) - (iii) - (iv) - (v) - (vi) 3,51,475.08 (vii) - (viii) - (ix) - (x) - (xi) - (xii) - (xiii) - (xiv) -

20.	Summary:			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting	14,75,113.70	14,75,113.70 & 100%	-
	Legacy ash	-	3,51,475.08 & 23.83%	2.480 million MT
	Total	14,75,113.70	18,26,588.78 & 123.83%	2.480 million MT
21.	Any other information: Soft copy of the annual compliance report, and shape files of power plant and ash ponds may be e-mailed to: - moefcc-coalash@gov.in		Plot Plan Attached	
22.	Signature of Authorised Signatory			

FIRST ANGLE PROJECTION



NOTES.

1. ALL DIMENSIONS AND LEVELS INDICATED ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
2. ALL ELEVATIONS ARE REFERRED TO THE TOP OF FFL OF STG BUILDING EL(+0.0 M) WHICH CORRESPONDS TO RL(+14.0 M) ABOVE MSL.
3. PLANT COORDINATES (0.000,0.000) CORRESPONDS TO 1583200N, 406800 EUTM.
4. ALL "REDUCED LEVELS" (RLS) SHOWN IN THIS DRAWING SHALL BE REFERRED w.r.t MSL+/-0.00M
5. THE HIGHEST FLOOD LEVEL (HFL) FOR THE POWER PLANT IS RL(+12.0M) ABOVE MSL.
6. LAYOUT OF VARIOUS STRUCTURES & FACILITIES IN OWNER'S SCOPE AS SHOWN IN THIS DRAWING IS INDICATIVE ONLY. THE EXACT LOCATION AND LAYOUT SHALL BE FINALIZED DURING DETAILED ENGINEERING STAGE.

LEGEND:

REFERENCE LEVEL	BUCKINGHAM CANAL
FINISH GROUND LEVEL	PLANT BOUNDARY
FINISH FLOOR LEVEL	PROPERTY FENCE
GREEN BELT AREA	ROADS
ORNAMENTAL POND	

ENGG. REF. DWGS.

A. BGR DWGS.:

DWG. NO.	TITLE
1. GID-145-CV-LDA-DWG-3006 (Rev.-D)	LAYOUT OF PLANT ROADS
2. GID-145-CV-UOH-DWG-3008 (Rev.-E)	LAYOUT OF STORM WATER DRAINS
3. GID-145-ME-UMY-XM-1257 (Rev.-A)	PIPING LAYOUT FOR OVER ALL PIPE RACK
DWG. NO.	TITLE
1. TB600-301-12	GA DRAWING OF MAIN PLANT BUILDING
2. TPCIL-01-PP-01-001	GENERAL LAYOUT PLAN

S.NO.	DESCRIPTION	BULD SIZE IN METERS	TOTAL MOTOR RATING IN HP
82.	CHEMICAL STORAGE SHED	20 X 50	257728
81.	CONTRACTOR WAREHOUSE SHEDS - 5 Nos	20 X 50	-
80.	LUBRICANT STORAGE SHED	20 X 20	-
79.	PORT END ECHP MCC ROOM	-	86.5
78.	MISCELLANEOUS MCC ROOM	-	-
77.	AQMS STATION - 1No's	-	-
76.	HORTICULTURE U/G WATER TANKS - 2Nos	-	-
75.	ECHP COAL PIPE CONVEYING SYSTEM	-	-
74.	ASH POND & LAGOON-A FIRST HEIGHT RAISING	EXIST - 44 Lakhs Cum EXTN - 15 Lakhs Cum	-
73.	ASSEMBLY POINTS - 8 Nos	-	-
72.	SUBSTATION FOR CONSTRUCTION POWER (DECOMMISSIONED)	-	2983.58
71.	TWO WHEELER PARKING SHED	5 X 20 - 4 Nos	-
70.	CAR PARKING SHED - 3 No's	-	-
69.	PAYMENT & E-WASTE STORAGE SHED - 5 No's	15 X 5, EACH	-
68.	WASTE OIL & NEW OIL SHEDS	-	-
67.	BOP AUX. COOLING TOWER & PUMPS	8 X 26	-
66.	SURFACE FEEDER & MCC ROOM	17 X 8	354
65.	HYDROGEN FILLING SHED - 2Nos	4 X 8, EACH	-
64.	FLY ASH UTILIZATION AREA	215 X 55	-
63.	WATCH TOWERS - 8 Nos	4.55 X 4.07	-
62b.	AIR WASHER ROOM (UNIT-II) & DG SET	28.5 X 18	6514.75
62a.	AIR WASHER ROOM (UNIT-I), COMPRESSOR HOUSE & BOP AUXILIARY PUMP HOUSE & BOP CT	28.5 X 18	3289
61.	ROAD WEIGH BRIDGE/CONTROL ROOM	5 X 3	3
60.	ASH WATER RECOVERY PUMP HOUSE & SLUMP	15.5X 11.5, 20 X 10	619
59.	SEA WATER INTAKE PH & INTAKE FOREBAY	45.5 X 36.5	2535
58.	CANTEEN-2	50 X 15	10
57.	FIELD HOSTEL & CRECHE	17.24X 67.680	24
56.	CPU REGENERATION SYSTEM	18 X 24.48	1332
55.	CONDENSATE STORAGE TANKS - 2Nos	11 X 7 H, EACH	295
54.	REMINERALIZATION PLANT	10 X 35, 24 X 15	133
53.	REST ROOMS - 6 Nos	12.8 X 18	-
52.	MILL REJECT SILO UNIT - 2 Nos	9.35 X 5.5, EACH	-
51.	N2/H2/CO2 CYLINDER STORAGE SHEDS	10 X 14	-
50.	FIRST AID CENTRE	7.665 X 14.240	8
49.	SERVICE BUILDING	36.52 X 32.5	542
48.	BULDOZER SHED & STORAGE SHED	30 X 10.8, 7.5 X 10.8	-
47.	COAL PILE RUNOFF POND	60 X 30	80
46.	SEA WATER OUTFALL TANK & PUMP HOUSE	14.7 X 4.5, 19.5	1822
45.	TPS - 12 Nos & CONVEYOR BELTS - 13 Nos	30 X 5.925M	13433
44.	CRUSHER HOUSE	33.6 X 28	9672
43.	COAL STORAGE YARD	840 X 50 - 4 Nos	-
42.	COAL STACKER CUM RECLAIMER - 2 Nos	40 X 17.5	2026
41.	TP-1 CONTROL ROOM & PORT END CONTROL ROOM	40 X 17.5	2984
40b.	CHP SWITCH GEAR ROOM-II	35.8 X 5	8
40a.	CHP SWITCH GEAR AND CONTROL ROOM-I	38.3 X 9, 12 X 8.9	74
39.	FULL/EMPTY CYLINDER STORAGE SHEDS	15 X 3	-
38.	ASH COMPRESSOR HOUSE	13.5 X 59	4866
37.	ASH SLURRY & ASH WATER PUMP HOUSE	59.5 X 12	3160
36.	FLY ASH SILOS & SILO UTILITY BUILDING	12 X 15.9 H - 3 Nos & 12.5 X 15.9	550
35.	SEWAGE TREATMENT PLANT	15 X 8	25
34.	EFFLUENT TREATMENT PLANT	26 X 36	115
33.	PROJECT OFFICE	50 X 15	14
32.	DM STORAGE TANK	12.5 X 9.5 H - 2Nos	463
31.	RO & DM PLANT	68.64 X 27.35	3049
30.	CLARIFLOCCULATOR FOR ASH HANDLING & CHEMICAL HOUSE	28.2 X 4.5 H	16
29.	AUXILIARY BOILER	18 X 26	349
28.	FILTER WATER STORAGE TANK AND PUMP HOUSE	26.8 X 10.4, 12.8 X 6	672
27.	PRODUCT CUM FIRE WATER STORAGE TANK AND PUMP HOUSE	50 X 5.925M	3215
26.	FIRE WATER BOOSTER PUMP HOUSE	18.5 X 39.78, 28 X 6.72	52
25.	WEATHER STATION - 1 No	-	4
24.	ELECTRO CHLORINATION BUILDING	30 X 32.5	2103
23.	CHEMICAL HOUSE FOR PRE-TREATMENT AREA & RO-DM	31.7 X 10.4	20
22.	DISSOLVED AIR FLOTATION TANKS - 2 Nos	17.3 X 3.0 H, EACH	310
21.	WARE HOUSE-1&2, STORE OFFICE	60 X 15, 59.12 X 59.228	14
20.	WORK SHOP	60 X 40	36
19.	FUEL OIL STORAGE TANKS & PUMP HOUSE	50 X 10, 23 X 45, 78 X 30	676
18.	CANTEEN-1	35.145 X 18.175	56
17.	FIRE STATION & EMERGENCY COMMAND CENTER	20 X 33.79	10
16.	ADMINISTRATION BUILDING	45 X 30	610
15.	WASTE OIL STORAGE & DIESEL BOWSER SHEDS	12 X 8	-
14.	MAIN GATE COMPLEX WITH ATM	18.75 X 6.5, 5.4 X 2.8	14
13.	ASH WEIGHT BRIDGE	3 X 3	3
12.	SPACE FOR FGD	-	-
11.	CHIMNEY	31.4 X 274.7 H	15
10.	COOLING TOWER UNIT-II (NDC)	131.130 X 174 H	-
9.	COOLING TOWER UNIT-I (NDC)	131.130 X 174 H	-
8.	CW FORE BAY	6 X 4	-
7.	CWPH FORE-BAY CHEMICAL STORE ROOM	6 X 4	-
6.	CW PUMP HOUSE	53 X 17	25086
5.	COAL MILL BAY	14 X 50 - 4 Nos	-
4.	GIS BUILDING & CONTROL ROOM	38 X 16.1, 53.7 X 12.23	139
3.	TRANSFORMER AREA	73.5 X 46, 66 X 46	196
2.	ESP SWITCHGEAR & CONTROL ROOM (UNIT-II)	19.96 X 35.5	287
1.	ELECTROSTATIC PRECIPITATOR (UNIT-II)	99 X 64	23122
0.	ELECTROSTATIC PRECIPITATOR (UNIT-I)	99 X 64	-
-1.	STEAM GENERATOR (UNIT-II)	49 X 52.1	89866
-2.	STEAM GENERATOR (UNIT-I)	49 X 52.1	-
-3.	STG BUILDING	249 X 40.6	49788

ASSEMBLY POINTS

S.No	Location	REF. BLDG No.
I	MAIN GATE	14
II	ADMIN BUILDING	16
III	SERVICE BUILDING	49
IV	PRODUCT CUM FIRE WATER STORAGE TANK AND PUMP HOUSE	27
V	WARE HOUSE	21
VI	BOILER-2	07
VII	TP-1 CONTROL ROOM & PORT END CONTROL ROOM	41
VIII	SEA WATER INTAKE PUMP HOUSE	59

FOR FACTORY INSPECTOR APPROVAL

ZONE REV	DESCRIPTION	DATE	DRN	CIVIL	MECH.	ELEC.	H.O.D.
H	SUBMIT FOR FACTORY INSPECTOR APPROVAL	20.09.21	VNK	BHARATH	B.V SRINIVAS/ VVKVS	BVSR	
G	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	05.05.19	VNK	BVSR	S.PRAVEEN/ JYU/BHARATH	BR	
F	REVISED AS PER TPCIL/FI COMMENTS VIDE TRANS. CNT 110917/TPM-6-2/2689/530, DATED 05.11.12	23.01.13	Sd/-	Sd/-	Sd/-	Sd/-	
E	REVISED AS PER TPCIL/FI COMMENTS VIDE TRANS. CNT 110917/TPM-6-2/2689/530, DATED 12.12.11	14.05.12	Sd/-	Sd/-	Sd/-	Sd/-	
D	REVISED AS PER FI COMMENTS VIDE TRANS. CNT 110917/TPM-6-2/3483/271, DATED 24.08.11	18.10.11	Sd/-	Sd/-	Sd/-	Sd/-	

REVISIONS

APPROVED

PROJECT				SEMBCORP ENERGY INDIA LIMITED (formerly, Thermal PowerTech Corporation India Limited) 2 X 660 MW SUPERCRITICAL TPP KRISHNAPATNAM, ANDHRA PRADESH.			
DRN	NAME	SIGN	DATE	SHEET	NO. OF VAR.	NO. OF ITEMS	REV.
DRN	VNK	Sd/-	12.03.19	A0	N.A.	N.A.	H
PRP	VNK	Sd/-	12.03.19				
CHD	B.V SRINIVAS/VVKVS	Sd/-	12.03.19				
APPD	BVSR	Sd/-	12.03.19				
DEPT							
CODE							
SCALE				WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEMS
1 : 4000				N.A.	N.A.	N.A.	N.A.
TITLE				DRAWING NO.			
PLOT PLAN (INDEX LAYOUT)				GID-145-ME-UMS-XF-1001			
SHT. NO. 1 OF 1							

1.	MAIN PLANT, SWITCHYARD, COAL STOCK PILE	FGLEL(-)0.5M
2.	CT, WATER SYSTEM AREA	FGLEL(-)0.6M
3.	ASH POND AREA	FGLEL(-)1.0M