SEIL Energy India Limited
(Formerly Sembcorp Energy India Limited)
CIN: U40103HR2008PLC095648
Regd. Office: Building 7A, Level 5,
DLF Cyber City, Gurugram – 122002,
Haryana, India
Tel: (91) 124 6846700/701,
Fax: (91) 124 6846710
Email: cs@seilenergy.com
Website: www.seilenergy.com

SEIL P2/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-2 [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/182/HO/CFO/2016 dated 14.12.2021 valid till 28.02.2027.

Dear Sir,

In reference to the above, please find the annual implementation report of ash for SEIL Energy India Limited Project-2 [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

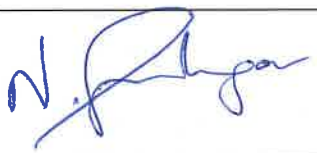
Annexure

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

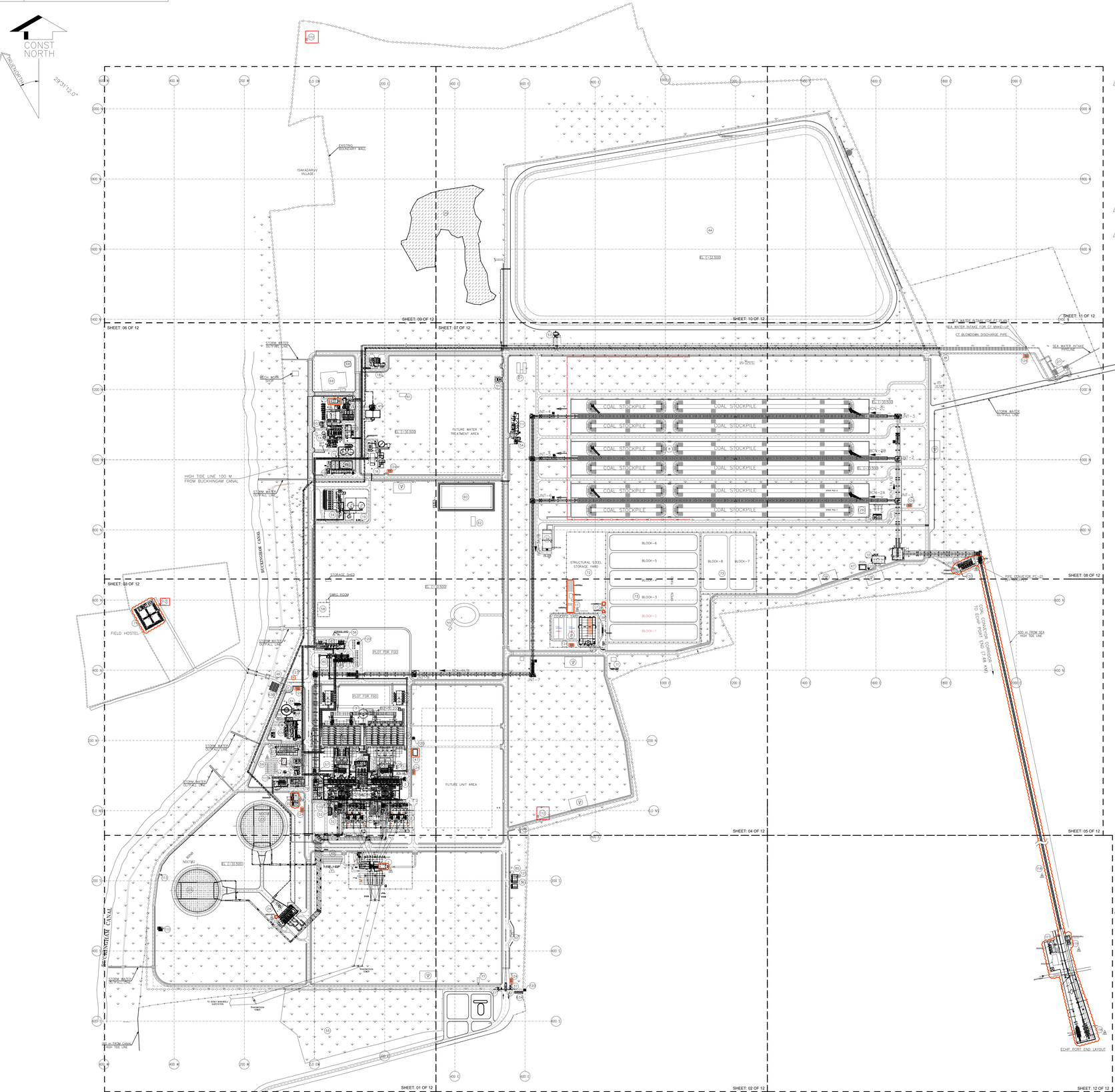
Sl. No.	Details	
1.	Name of Power Plant	SEIL Energy India Limited Project-2
2.	Name of the company	SEIL Energy India Limited
3.	District	SPSR Nellore
4.	State	Andhra Pradesh
5.	Postal address for communication:	SEIL Energy India Limited Project-2 (Formerly known as Sembcorp Energy India Limited) Ananthavaram/Varakavipudi Villages, TP Gudur 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):	82.03 %
9.	No. of units generated (MWh):	9485500.00
10.	Total area under power plant (ha): (including area under ash ponds)	350.053
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	61,53,682
12	Average ash content in percentage (per cent):	26.13%
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):	16,08,006.26 12,86,405.02 3,21,601.24
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) 16,16,776.15 (b) 10,30,516.24 (i) 1,50,668.88 (ii) 8,79,847.36

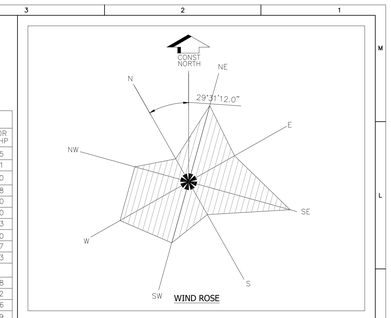
	(iii) Ready mix concrete: (iv) Ash and Geo-polymer based construction material: (v) Manufacturing of sintered or cold bonded ash aggregate: (vi) Construction of roads, road and fly over embankment: (vii) Construction of dams: (viii) Filling up of low lying area: (ix) Filling of mine voids: (x) Use in 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): (Bottom Ash+ Unutilized fly ash) (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): Total quantity of current ash unutilised (MTPA) during reporting period:	(iii) - (iv) – (v) – (vi) – (vii) – (viii)– (ix) – (x) – (xi) – (xii) – (xiii) – (xiv) - (c) 5,77,490.02 (i) 37,357.94 (ii) 5,408.05 (iii) – (iv) – (v) – (vi) 3,13,175.21 (vii) – (viii) 2,21,548.82 (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 (m^3): (d) Total number of ash ponds: (i) Active: (ii) Exhausted (yet to be reclaimed): (iii) Reclaimed: (e) total area under ash ponds (ha):	(a) 7,68,028 (b) NIL (c) 1,70,593 m^3 (d) 01 (i) 1 (ii) NIL (iii) NIL (e) 54.22
18.	Individual ash pond details *Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)* (a) Status: Under construction or Active or Exhausted or	(a) Active

	Reclaimed	
	(b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY):	(b) November 2016
	(c) Date o f stoppage o f ash disposal in ash pond after completing its capacity (DD/MM/YYYY or MM/YYYY): (Not applicable for active ash ponds)	(c) NA
	(d) area (hectares):	(d) 54.22
	(e) dyke height (m):	(e) 6 Meters
	(f) volume (m^3):	(f) 27,62,317
	(g) quantity of ash disposed as on 31st March (Metric Tons):	(g) 7,59,258
	(h) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):	(h) 73% & 20.31 Lakh
	(i) expected life of ash pond (number of years and months):	(i) 25 Years
	(j) co-ordinates (Lat and Long): (Please specify minimum 4 co-ordinates)	(j) 14°21'44.6"N 80°09'20.9"E 14°21'35.0"N 80°09'48.4"E 14°21'17.2"N 80°09'45.6"E 14°21'33.4"N 80°09'15.0"E
	(k) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	(k) HDPE Lining
	(l) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	(l) Wet Disposal (HCSD)
	(m) Ratio of ash: water in slurry mix (1:___):	(m) 1:0.6
	(i) Ash water recycling system (AWRS) installed and functioning: Yes or No	(i) Yes
	(n) Quantity of wastewater from ash pond discharged into land or water body (m3):	(n) NIL
	(o) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:	(o) 10th January 2025 & IIT Chennai
	(1) Last date when the audit was conducted and name of the organisation who conducted the audit:	(1) 01st November 2024 & NIT Warangal
19.	Quantity of legacy ash utilised (MTPA):	8,769.90
	i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	i. –
	ii. Cement manufacturing:	ii. 8,769.90
	iii. Ready mix concrete:	iii. –
	iv. Ash and Geo-polymer based construction material:	iv. –
	v. Manufacturing of sintered or cold bonded ash aggregate:	v. –
	vi. Construction of roads, road and flyover embankment:	vi. –
	vii. Construction of dams:	vii. –
	viii. Filling up of low lying area:	viii. –
	ix. Filling of mine voids:	ix. –
	x. Use in overburden dumps:	x. –
	xi. Agriculture:	xi. –
	xii. Construction of shoreline protection structures in coastal districts;	xii. –
	xiii. Export of ash to other countries:	xiii. –
	xiv. Others (please specify):	xiv. –

20.	Summary:			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting period	16,08,006.26	16,08,006.26 & 100%	-
	Legacy ash	-	8,769.90 & 0.55%	7,59,258
	Total	16,08,006.26	16,16,776.15 & 100.55%	7,59,258
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			

DRG. NO.: MISC-05





LEGEND:

PRESENT UNIT :
FUTURE UNIT :
PIPE RACK :
SLEEPER WAY :
PROPERTY LIMIT :
OUT FALL : OF
FLY ASH SLEEPER WAY :
CABLE RACK :
FENCE :
PLANT BOUNDARY WALL
RAIL TRACK :
GREEN BELT :
PAVED AREA :
FLY ASH PIPE RACK :
FLY ASH SLEEPER WAY :

ASSEMBLY POINTS

S.No	Location	REF.BLDG No.
I	MAIN GATE	42
II	SERVICE BUILDING	40
III	WEST GATE NEAR ASH SILO	46
IV	WARE HOUSE	21
V	EFFLUENT TREATMENT PLANT	16
VI	BOILER-2 NEAR TT-3	57
VII	CHP DOZER SHED	114
VIII	SEA WATER INTAKE PUMP HOUSE	27

LIST OF BUILDING/EQUIPMENT

Bldg NO.	DESCRIPTION	SIZE IN METERS	TOTAL MOTOR RATING IN HP
1	GIS & CONTROL ROOM WITH EXTENSION BLDG	74.785x12.160	27.75
2	TRANSFORMER YARD	65x65–2Nos	196.41
3	POWER HOUSE BUILDING	213.5x40.6	49889.00
4	BOILER UNITS	44.6x55.6–2Nos	55316.78
5	MILL BAY	90x22–4Bays	21447.00
6	ELECTROSTATIC PRECIPITATOR	106.8x60–2Nos	25292.00
7	STACK	Ø28	12.33
8	COAL STOCK YARD & STACKER CUM RECLAIMER	750x335	2085.00
9	ASH WATER TANK & PUMP HOUSE	22x18	388.07
10	CHP MCC & CONTROL ROOM #1	42x20.4	69.03
11	NURSERY SHED	15x10	–
12	PRE TREATMENT AREA	60X35	45.98
13	CLARIFIED WATER RESERVOIR & PUMP HOUSE	37x34	778.82
14	RO–DM PLANT	42X40	4496.26
15	DM WATER STORAGE TANK	Ø16–2Nos	261.39
16	EFFLUENT TREATMENT PLANT	80x70	330.27
17	LUBRICANT,PAINT,WASTE OIL, CYLINDER & DIESEL BOWSER STORAGE SHEDS IN STORES	14x20,6x5.9x 14,6x6 & 6x4	13.00
18	CHLORINATION BUILDING	29.6x7.5,11.6x15.7	2112.00
19	F.O. STORAGE AREA	65X65	–
20	CANTEEN–1	32.2x17.9,10x8.6	72.02
21	COVERED STORAGE YARD	30x60–2Nos 45x75–1No	–
22	WORKSHOP	25.8X60.5	143.63
23	COOLING TOWERS	Ø130 EACH–2Nos	–
24	C.W. PUMP HOUSE	28x58	23822.25
25	COMPRESSOR HOUSE	37.5X15	3391.09
26	MAIN CONTROL BUILDING (CCR)	30x45	873.39
27	SEA WATER INTAKE PUMP HOUSE & CONTROL ROOM	21.3x8.17,31.3x9.1	2873.06
28	FLY ASH SILOS	Ø12 EACH–3Nos	1572.39
29	GREEN HOUSE EFFECT EXPERIMENT SHED	20x20	–
30	EMERGENCY POWER GENERATING SET	30X16	6038.61
31	ESP CONTROL CENTER	39.2X18.5 EACH	224.66
32	CONDENSATE STORAGE TANK & PUMPS	Ø7.76 EACH–2Nos	529.00
33	AHS COMPRESSOR HOUSE	54x11	
33A	COMMON ELECTRICAL ROOM FOR AHS COMPR. HOUSE & ASH WATER P.H.	17x41	5200.54
34	H.F.O/L.D.O UNLOADING/FORWARDING P/H	80X65	683.1
35	CHEMICAL HOUSE	30.5X7.5	9.36
36	FIRE STATION	21X12.5,12X12.5	10.00
37	SECURITY POST	——	–
38	WEIGH BRIDGE CONTROL ROOM	4x4	3.0
39	COAL RUN–OFF & TREATMENT AREA	58.5X25	20.0
40	SERVICE BUILDING	34.5X24	103.75
41	TRANSIT BLOWDOWN TANK & PUMP HOUSE	14.5x9,40x20	1778.28
42	MAIN GATE COMPLEX (SOUTH SIDE)	4.5x22 2.6x3.6–2Nos	14.0
43	HCSD PUMP HOUSE CUM SILO UTILITY BLDG	28.9x16,49x14.8	3220.65
44	ASH POND	134 ACRE	–
45	SECURITY POST	3x3	–
46	GATE–2 (WEST SIDE)	——	–
47	REST ROOMS–3Nos	12.8x18	–
48	CANTEEN–2	10x15	5.0
49	CAR PARKING	54x15	–
50	WEIGH BRIDGE CONTROL ROOM	4x4	3.0
51	H2 STORAGE AREA	10x12	–
52	AIR WASHER UNIT	20X11.5	382.04
53	ASH WATER RECOVERY PUMP HOUSE	9.1X5.8	124.7
54	DUST SUPPRESION PUMP HOUSE	12.5X16	564.14
55	TEMPLE	5x5	–
56	AGITATOR RETENTION TANK	Ø6–3Nos	442.36
57	MILL REJECT SILO	Ø5–2Nos	–
58	SUBSTATION FOR CONSTRUCTION POWER (DECOMMISSIONED)	——	–
59	CONTRACTORS CABINS	——	–
60	CONSTRUCTION WATER STORAGE POND	162x60	–
61	WTP EPC STORES	5x15	–
62	ELECTRICAL MATERIAL STORAGE SHED	12x27	–
63A	TWO WHEELER PARKING SHED (NEAR MAIN GATE)	17.5x5	–
63B	TWO WHEELER PARKING SHED (NEAR WEST GATE)	18x30	–
67	MECH & ELEC MATERIAL STORAGE SHED	27x30	–
68	NCCL OFFICE	17x14	–
69	SITE OFFICE	72x52	–
71	FIELD HOSTEL & CRECHE	68x58	13.0
72	STRUCTURAL STEEL STORAGE YARD	——	–
73	OPEN STORAGE YARD	——	–
77	IR DEPARTMENT OFFICE	6x15	3.0
78	N2,CO2 & O2 STORAGE AREA	18X10	–
79	CPU REGENERATION	38x18	377.61
80	BOTTOM ASH SILO	Ø12 EACH–3Nos	–
81	GATE–3 (EAST SIDE)	——	–
82	OIL STORAGE TANK	11.4X8.7	10.05
83	CLARIFOCULATOR FOR AHP	Ø30	4.42
84	CHEMICAL HOUSE FOR AHP	15.75X6.0	20.11
85	FIRST AID CENTER	6x9	6.7
86	CONSTRUCTION STORAGE & GREEN BELT BUILDING	——	–
87	AUX. BOILER	25X16.5	250.67
88	DESALINATION,FIRE WATER & RESERVOIR	63.9x35.8	1680.29
100	WTP MCC ROOM	35x15	–
101	WTP LABORATORY BUILDING	30x11	–
102	CHEMICAL HOUSE FOR REMIN PLANT	7.5x14	–
103	SWRO REJECT WATER TANK & PH	13.4x14.4	–
105	EMERGENCY LUBE OIL PIT	5X5	10.0
106	FIRE WATER BOOSTER PUMP HOUSE	6X5.5	49.60
107	INTERMEDIATE SUMP PIT	4X3	40.21
108	SUMP PIT FOR BBD/APH WASH	5X9 EACH	221.18
110	SEWAGE TREATMENT PLANT	14.350x12.350	40.60
111	CHP MCC & CONTROL ROOM #2	61.2X12.5	37.13
112	AIR AMBIENT QUALITY MONITORING SYSTEM	6X6–3NOS	3.0
113	STP INTERMEDIATE LIFTING STATION	3.5X1.85–2NOS	–
114	BULLDOZER SHED	24X10.5	–
115 A	RAIN WATER HARVESTING POND (NATURAL POND)	——	–
115 B	RAIN WATER HARVESTING POND	50X30–9NOS	–
	JNT–1 TO 10 AND CRUSHER HOUSE		18129.92
116	PLANT END ECHP MCC ROOM	42x10	6239.61
117	PORT END ECHP MCC ROOM	30x16.5	4398.66
118	ECHP COAL PIPE CONVEYING SYSTEM	44x10.5	
119	PORT END ECHP FIRE WATER PUMP HOUSE AND STORAGE TANK	13x24	234.00
120	TOILETS		
121	WEATHER STATION – 1No		
122	CHEMICAL STORAGE SHED NEAR CWPH		
123	SECURITY RECORD ROOM		–
124	ASSEMBLY POINTS		
	TOTAL IN HP		246578.90

NOTES:

01. ALL DIMENSIONS ARE IN MM, LEVELS AND CO–ORDINATES ARE IN METERS UNLESS OTHERWISE SPECIFIED.
02. EL (+)0.000 REFERS TO RL (+) 4.000 FROM MSL WHICH CORESPONDS TO FINISHEED FLOOR LEVEL (FFL) OF MAIN POWER HOUSE BUILDING & FGL CORESPONDS TO EL.(–)0.500.
03. GREEN BELT AREA IS 315 ACRE AFTER CONSTRUCTION IS COMPLETED

FOR FACTORY INSPECTOR APPROVAL

REV.	DATE	DESCRIPTION	BY	MEC.	ELE.	CIV.	C&I	SES	APPD.
8	01.09.21	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK			RM/VVVKS			BVSR
7	05.05.19	REVISED AS PER SITE MODIFICATIONS AND SUBMIT FOR FACTORY INSPECTOR APPROVAL	VNK	BVSR		BHARAT/BV SRINIVAS			BR
6	19–JAN–16	REVISED AS MARKED & ISSUED FOR REF	---	TSSP	CVS	NSS	BAB	---	SJB
5	18–MAR–15	ISSUED FOR CONSTRUCTION	PND	JPA	MIT	CK	AYA	---	DK
4	14–FEB–14	ISSUED FOR CONSTRUCTION	SPA	AH	MIT	CK	AYA	---	SOH
3	09–APR–13	ISSUED FOR CONSTRUCTION	SPA	AH	PPL	ANG	CRK	---	SOH
2	24–AUG–12	ISSUED FOR CONSTRUCTION	SPA	AH	PPL	ANG	CRK	---	SOH
1	06–JUN–12	REVISED AS PER MON DTD. 01.06.12	SPA	AH	PPL	ANG	CRK	---	SOH

PROJECT:
SEMBCORP ENERGY INDIA LIMITED- PROJECT-2
(Formely NCC Power Projects Limited)
(2 x 660MW SUPERCRITICAL THERMAL POWER PROJECT) - NELLORE

	DATE	NAME
DESIGN	---	---
DRAWN	01–SEP–20	VNK
CHECKED	11–MAR–19	BVSR
APPROVED	11–MAR–19	RM

TITLE: PLOT PLAN (INDEX LAYOUT)

L&T–S&L DRG. NO.: T658000–UC07–00–ZEN–110001 REV. 08
NCC DRG. NO.: NPT10111–PE–C–GA–200100–001 REV. 08
FILE NAME drawing_filename SCALE: 1:4000 SHEET: 01 OF 01

A3 (1189mm x 841mm) PLOTTED $TIME$