PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF M/S.VARUN BEVERAGES LTD.

INDUSTRIAL BUILDING, AT PLOT NO.B-65 TO B-67,B-68.PART,B-69.PART,B-70 TO B.76, REVISED APPROVED LAYOUT NO.L.P/D.T.C.P NO: 54/2013, IN SURVEY NO:1641 PART, 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE,GANGAI KONDAN VILLAGE & PANCHAYAT, MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

APPLICANT: M/S.VARUN BEVERAGES LTD.

கட்டிட அனுமதி எண்.தொ.வ./ம(தில்) எண்.04/2015, DATED:28/01/2015

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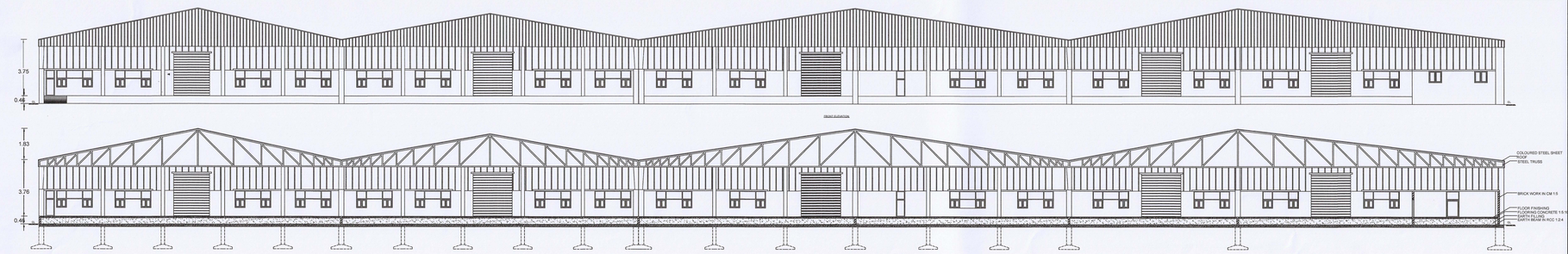

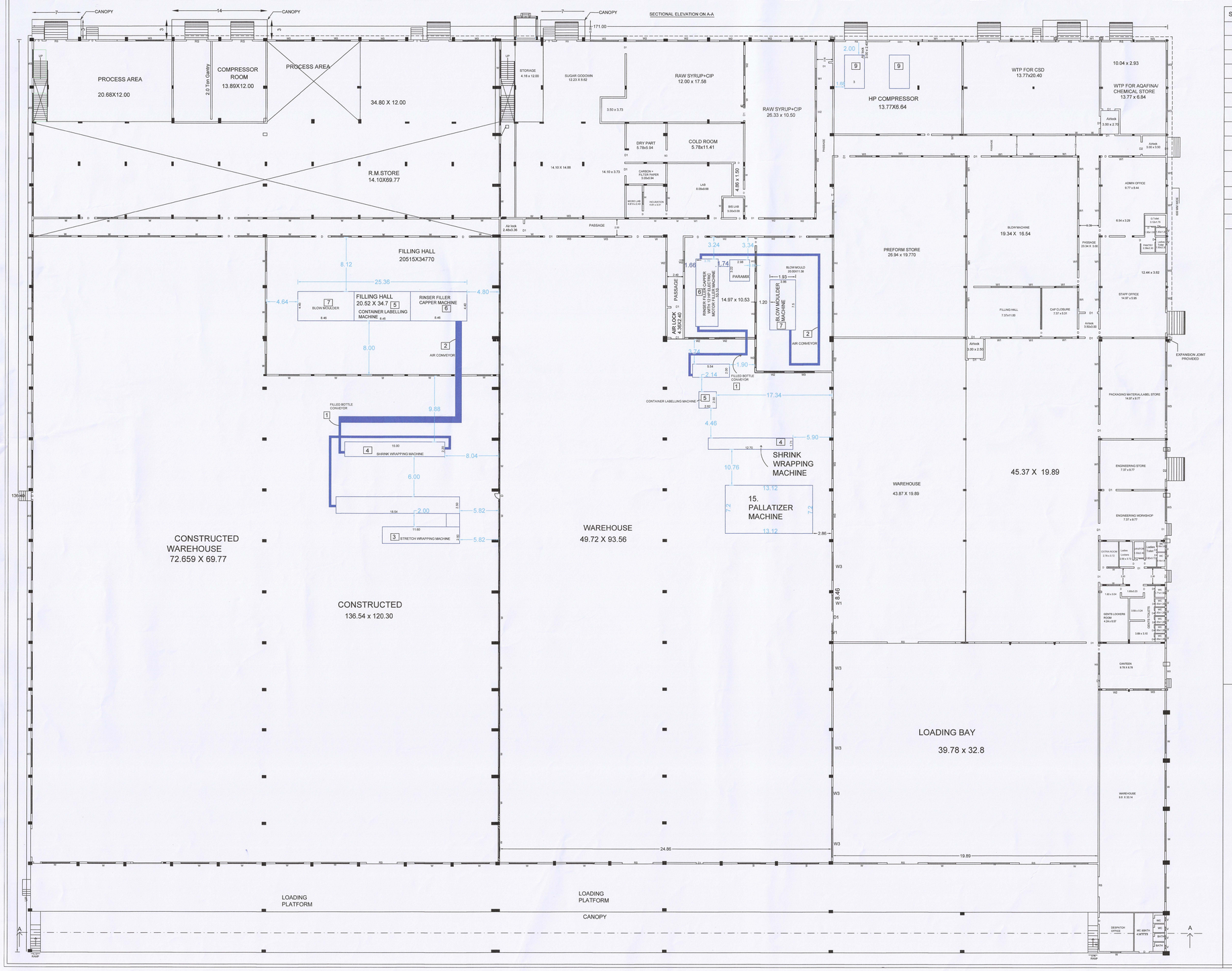

SL.NO	DESCRIPTION	NOS	HP	TOTAL HP
1	FILLED BOTTLE CONVEYOR	2	92.00 HP	184.00 HP
2	AIR CONVEYOR	2	35.00 HP	70.00 HP
3	STRETCH WRAPPING MACHINE	1	4.00 HP	4.00 HP
4	SHRINK WRAPPING MACHINE	2	4.00 HP	8.00 HP
5	CONTAINER LABELLING MACHINE	2	19.00 HP	38.00 HP
6	RINSER FILLER CAPPER	2	12.00 HP	24.00 HP
7	BLOW MOULDER	2	269.00	538.00 HP
8	CHILLER WITH BLOW MOULDER	1	40.00	40.00 HP
9	HP COMPRESSSOR	2	7.00	14.00 HP
10	COOLING TOWER WITH HP COMPRESSOR	2	7.00	14.00 HP
11	HEAT VENTILATION AIR-CONTIONED	1	172.00	172.00 HP
14	SUPER CHILLER MACHINE MOTOR	4	64.00	64.00 HP
15	PALLATIZER MACHINE	1	4.00 HP	4.00 HP

AREA DETAILS

		SQ.M	SQ.FT
1	APPLICANT SITE AREA - (32 ACRES 30 CENTS)	130715.00	1407016.26

EXISTING APPROVED BUILDING AREA

ALREADY APPROVED FSI AREA - 5494.20 SQ.M
ALREADY APPROVED (CONSTRUCTED) - 5170.20 SQ.M
ALREADY APPROVED NOT CONSTRUCTED - 324 SQ.M

ADDITIONAL CONSTRUCTED AREA DETAILS

SL.NO	BLOCK NOS	DESCRIPTION	SQ.M	SQ.FT
1	BLOCK-1	PRODUCTION AREA -MAIN PLANT	18025.5	194024.86

DRIVE WAY	
EXISTING ROAD	
BOUNDARY	
APPROVED CONSTRUCTION NOT DONE	
APPROVED AREA	
MACHINERY	
MAZZANINE FLOOR	

For VARUN BEVERAGES LTD.
Authorised Signatory

APPLICANT

C. DHEENATHAYALAN., BE,
REG. STRUCTURAL ENG. GRADE - II (RSE)
REG. NO: RSE / GR. II / TUT / JULY 2019 / 005
GOVT. REG. NO : STRUCTURAL ENG. GR. II S.E
WO: 138 / LS / 2019 / 00010
24E, NANTHA GOPALA PURAM (WEST),
THOOTHUKUDI - 628 002
Cell : 94427 23339, 80569 57099

STRUCTURAL ENGINEER

MANIKANDA ASSOCIATES
Er. R. PONMANIKANDAN M.E (STRUCTURAL) LLB.,AM.AMIE
REG ENGINEER/REG VALUER/CHARTERED ENGINEER
RE-1/TUTCP/OCCUPIER/1/2023, 138/LS/2019/00009
TUT/2022/08, CPM/2222/05, SVM/2022/04
140/4, POLEPETHI 1ST STREET, TUTICORIN, PH-8056700189

REGISTERED ENGINEER

PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF M/S.VARUN BEVERAGES LTD. INDUSTRIAL BUILDING, AT PLOT NO.B-65 TO B-67,B-68.PART,B-69.PART,B-70 TO B.76, REVISED APPROVED LAYOUT NO.L.P/D.T.C.P NO: 54/2013, IN SURVEY NO:1641 PART, 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE,GANGAI KONDAN VILLAGE & PANCHAYAT, MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

APPLICANT: M/S.VARUN BEVERAGES LTD.

கட்டிட அனுமதி எண்.தொ.வ./ம(தில்லி) எண்.04/2015, DATED:28/01/2015

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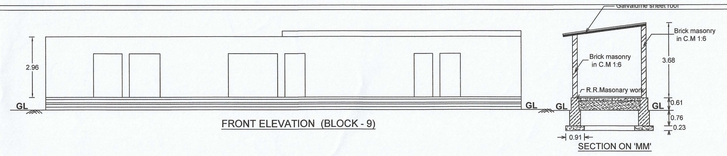
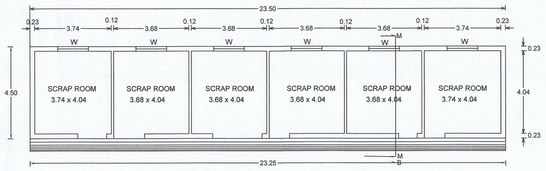
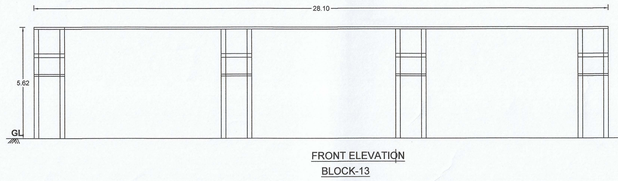


FRONT ELEVATION (BLOCK - 9)

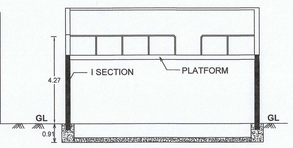
SECTION ON 'MM'



GROUND FLOOR PLAN- SCRAP YARD -3 (BLOCK-9)



FRONT ELEVATION BLOCK-13



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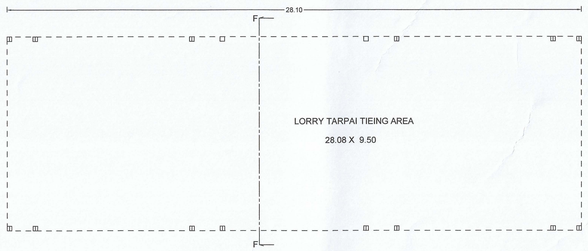
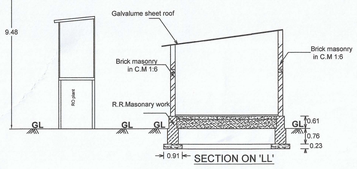


LORRY TARPAI TIEING AREA (BLOCK-13)



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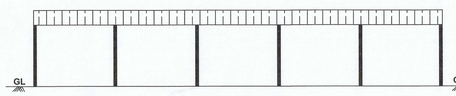
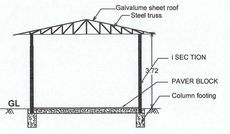
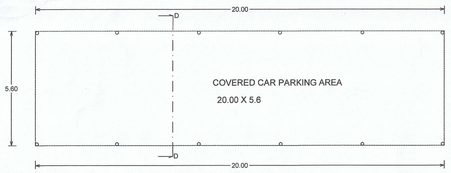


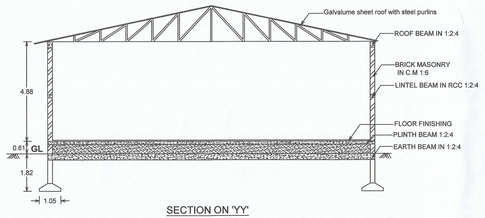
FRONT ELEVATION-(BLOCK 10)



SECTION ON 'DD'
BLOCK-10



GROUND FLOOR PLAN (BLOCK-10)



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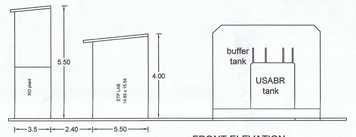
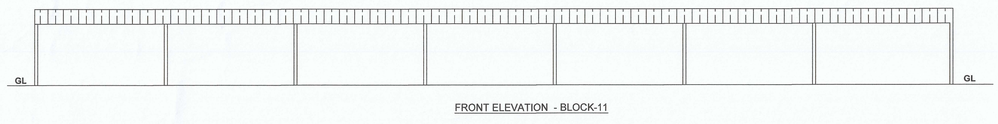
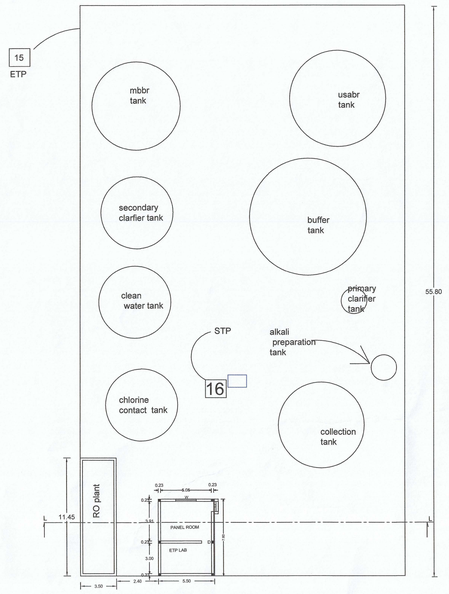


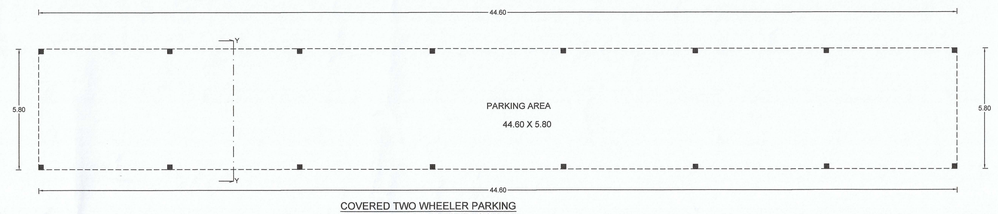
FRONT ELEVATION BLOCK - 15



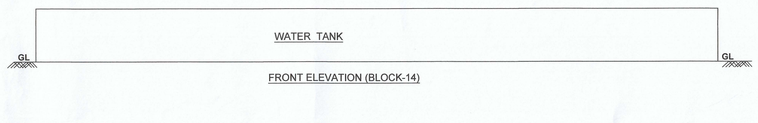
FRONT ELEVATION - BLOCK-11



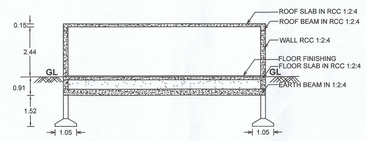
GROUND FLOOR PLAN ETP PLANT (BLOCK-15)



COVERED TWO WHEELER PARKING GROUND FLOOR PLAN (BLOCK-11)



FRONT ELEVATION (BLOCK-14)



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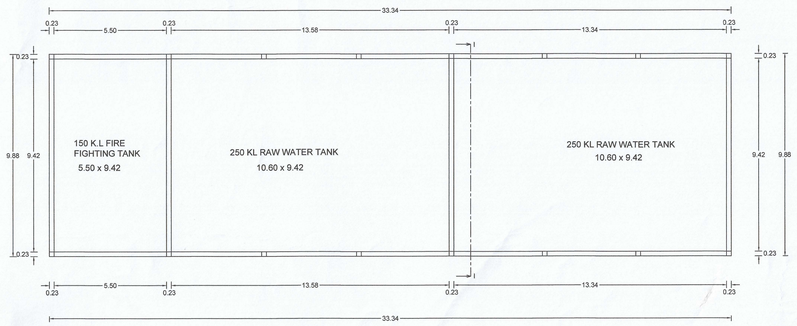
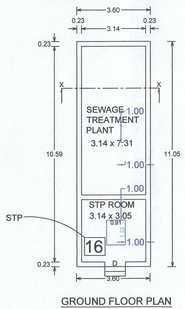
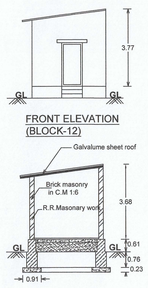


GROUND FLOOR PLAN (BLOCK-14)

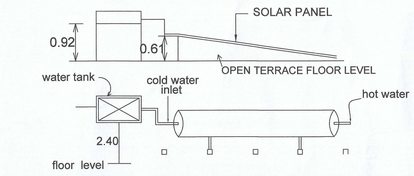


GROUND FLOOR PLAN (BLOCK-12)

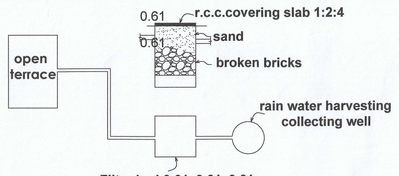


FRONT ELEVATION (BLOCK-12)

SECTION ON 'XX'



Details of solar water heating system



Details of rain water harvesting system

AREA DETAILS

		SQ.M	SQ.FT
1	APPLICANT SITE AREA - (32 ACRES 30 CENTS)	130715.00	1407016.26

EXISTING APPROVED BUILDING AREA

ALREADY APPROVED FSI AREA - 5494.20 SQ.M
ALREADY APPROVED (CONSTRUCTED) - 5170 .20 SQ.M
ALREADY APPROVED NOT CONSTRUCTED -324 SQ.M

SL.NO	DESCRIPTION	NOS	HP	TOTAL HP
1	CHILLER WITH BLOW MOULDER	1	40.00	40.00 HP
2	HEAT VENTILATION AIR-CONTIONED	1	172.00	172.00 HP
3	WATER TREATMENT PLANT	4	7.50	30.00 HP
4	SUPER CHILLER MACHINE MOTOR	1	64.00	64.00 HP
5	STP, ETP	2	7.50 HP	15.00 HP

ADDITIONAL CONSTRUCTED AREA DETAILS

SL.NO	BLOCK NOS	DESCRIPTION	SQ.M	SQ.FT
1	BLOCK-9	SCRAP YARD - 3	104..63	1126.22
2	BLOCK-10	COVERED CAR PARKING-1	112.00	1205.56
3	BLOCK-11	COVERED TWO WHEELER PARKING-2	258.68	2784.41
4	BLOCK-12	STP ROOM	39.60	426.25
5	BLOCK-13	LORRY TARPAI TIEING AREA	266.95	2873.43
6	BLOCK-14	WATER TREATMENT ROOM	329.40	3545.63
7	BLOCK-15	ETP PLANT	1771.65	19069.88
		DRIVE WAY		
		EXISTING ROAD		
		BOUNDARY		
		APPROVED CONSTRUCTION NOT DONE		
		APPROVED AREA		
		MACHINERY		
		MAZZANINE FLOOR		

For VARUN BEVERAGES LTD.
Authorised Signatory

APPLICANT

C. DHEENATHAYALAN., BE,
REG. STRUCTURAL ENG. GRADE - II (RSE)
REG. NO: RSE / GR. II / TUT / JULY 2019 / 005
(EX)M.P. REG. NO : STRUCTURAL ENG. GR. II S.E
NO: 138 / LS / 2010 / 00010
24E, NANTHA GOPALA PURAM (WEST),
THOOTHUKUDI - 628 002
Cell : 94427 23338, 80563 57099

STRUCTURAL ENGINEER

MANIKANDA ASSOCIATES
Ex. S. PONNAMBALAMANDAN M.E.(STRUCTURAL),LL.B.,AFI,AMIE
R.S.I ENGINEER/RSO VALUER/CHARTERED ENGINEER
RE-1/TKDTCP/OCTOBER/2/2023, 138/LS/2019/00009
TUT/2022/08, OPM/2022/05, SVM/2022/04
SRS/8, PULPETTAI 1ST STREET, TUTICORIN, PH-8056700150

REGISTERED ENGINEER

PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF M/S.VARUN BEVERAGES LTD.

INDUSTRIAL BUILDING, AT PLOT NO.B-65 TO B-67,B-68.PART,B-69.PART,B-70 TO B.76, REVISED APPROVED LAYOUT NO.L.P/D.T.C.P NO: 54/2013, IN SURVEY NO:1641 PART, 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE,GANGAI KONDAN VILLAGE & PANCHAYAT, MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

APPLICANT: M/S.VARUN BEVERAGES LTD.

கட்டிட அனுமதி எண்.தொ.வ.ம(தில்லி) எண்.04/2015, DATED:28/01/2015

SCALE 1:100

NO	DESCRIPTION	NOS	HP	TOTAL HP
8	CHILLER WITH BLOW MOULDER	1	40.00	40.00 HP
11	HEAT VENTILATION AIR-CONTIONED	1	172.00	172.00 HP
12	BOILER	1	8.00	8.00 HP
13	WATER TREATMENT PLANT	1	30.00	30.00 HP
14	SUPER CHILLER MACHINE MOTOR	1	64.00	64.00 HP

AREA DETAILS

		SQ.M	SQ.FT
1	APPLICANT SITE AREA - (32 ACRES 30 CENTES)	130715.00	1407016.26

EXISTING APPROVED BUILDING AREA

ALREADY APPROVED FSI AREA - 5494.20SQ.M
ALREADY APPROVED (CONSTRUCTED) -5170.20 SQ.M
ALREADY APPORVED NOT CONSTRUCTRED - 324 SQ.M

ADDITIONAL CONSTRUCTED AREA DETAILS

SL.NO	BLOCK NOS	DESCRIPTION	SQ.M	SQ.FT
1	BLOCK-2	SCRAP YARD 1 & 2	368.48	3966.29
2	BLOCK-3	UTILITY & CHEMICAL STORAGE	966.28	10400.95
3	BLOCK-4	SECURITY ROOM	19.95	214.74
4	BLOCK-5	DRIVER ROOM	94.86	1021.06
5	BLOCK-6	UTILITY ROOM	799.00	8600.36
6	BLOCK-7	VCB ROOM	25.00	269.10
7	BLOCK-8	WATER TREATMENT PLANT	467.61	5033.31

DRIVE WAY	
EXISTING ROAD	
BOUNDARY	
APPROVED CONSTRUCTION NOT DONE	
APPROVED AREA	
MACHINERY	
MAZZANINE FLOOR	

For VARUN BEVERAGES LTD.

Authorised Signatory

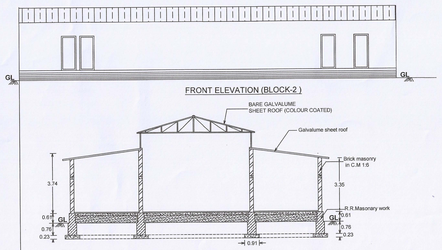
APPLICANT

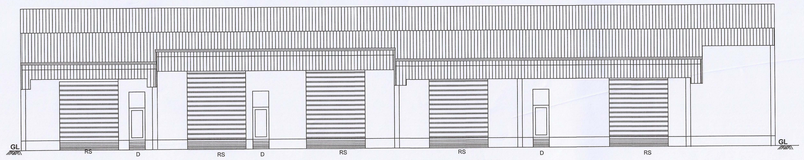
C. DHEENATHAYALAN., BE,
REG. STRUCTURAL ENG. GRADE - II (RSE)
REG. NO: RSE / GR. II / TUT / JULY 2019 / 055
DOSP. REG. NO : STRUCTURAL ENG. GR. II S.E
NO: 138 / LS / 2019 / 00010
24E, NANTHA GOPALA PURAM (WEST),
THOOTHUKUDI - 628 002
Cell : 94427 23339, 80569 57059

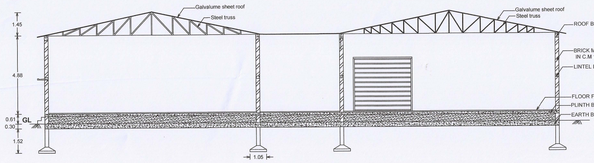
STRUCTURAL ENGINEER

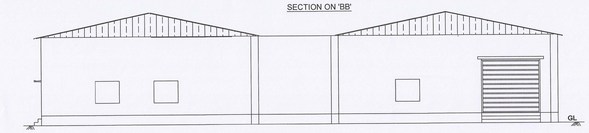
MANIMANDA ASSOCIATES
Er. S. PONNAMARIYANDAN M.E (STRUCTURAL),LLB.,AM.AMIE.
REGISTERED ENGINEER,PEOPLE VALUED CHARTERED ENGINEER
RE-1/TUDCP/OCTOBER/2/2023, 138/LS/2019/00009
TUT/2022/08, DPN/2022/05, SVM/2022/04
140/A, PULIDEVAN 1ST STREET, TUTICORIN, PH-8056700169

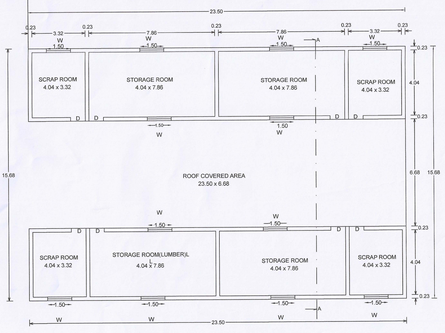
REGISTERED ENGINEER

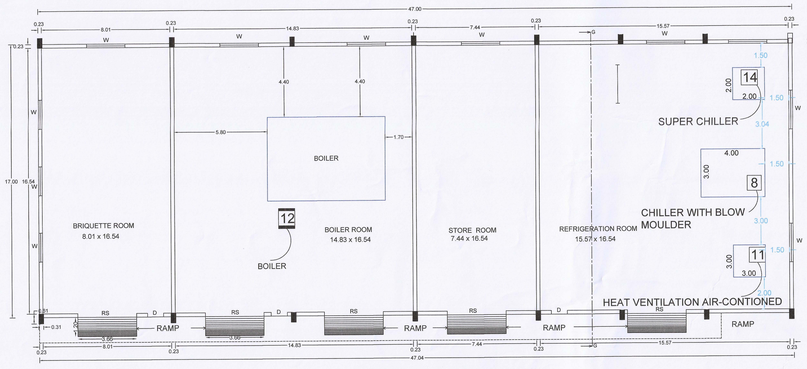


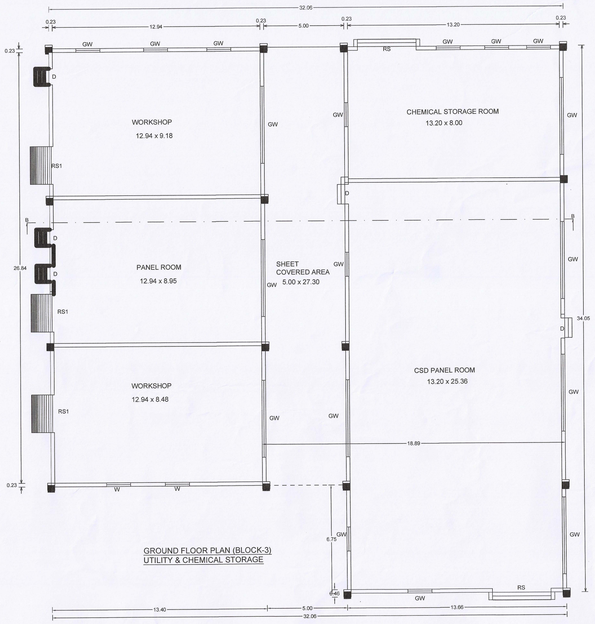


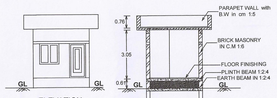


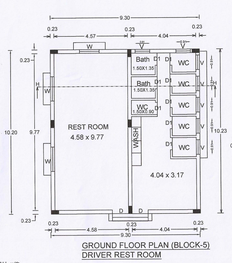


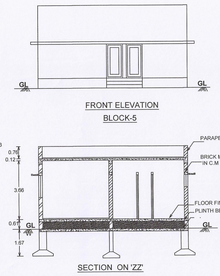


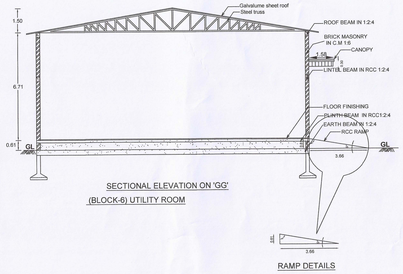


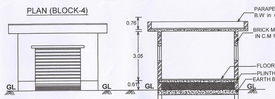


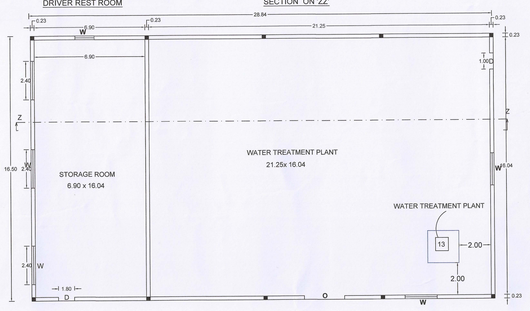


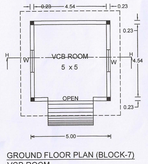


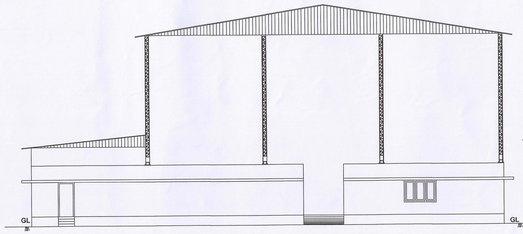


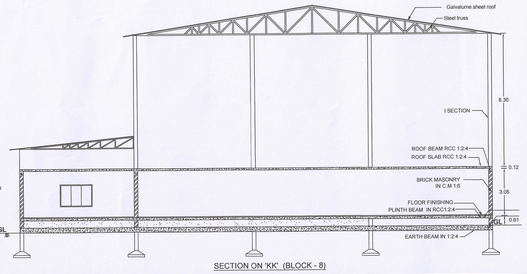










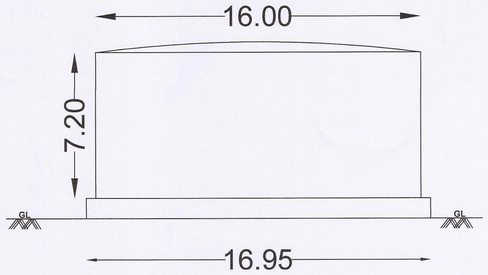


PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF M/S.VARUN BEVERAGES LTD. INDUSTRIAL BUILDING, AT PLOT NO.B-65 TO B-67,B-68.PART,B-69.PART,B-70 TO B.76, REVISED APPROVED LAYOUT NO.L.P/D.T.C.P NO: 54/2013, IN SURVEY NO:1641 PART, 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE,GANGAI KONDAN VILLAGE & PANCHAYAT, MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

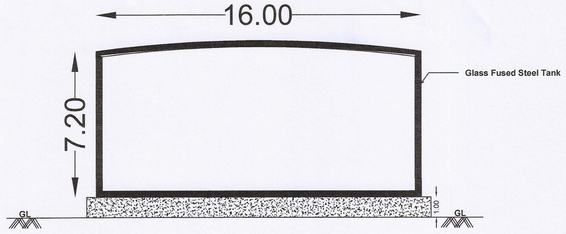
APPLICANT: M/S.VARUN BEVERAGES LTD.

கட்டிட அனுமதி எண்.தொ.வ./ம(திலி) எண்.04/2015, DATED:28/01/2015

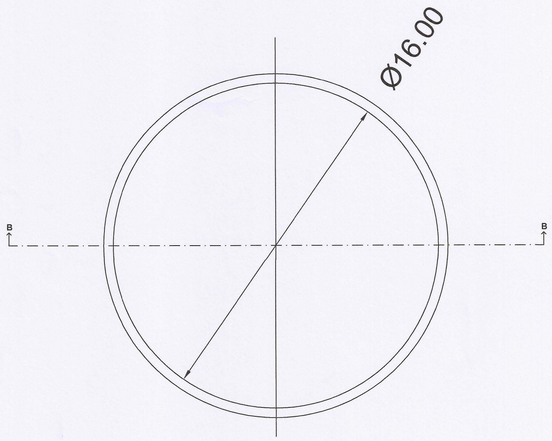
SCALE 1:100



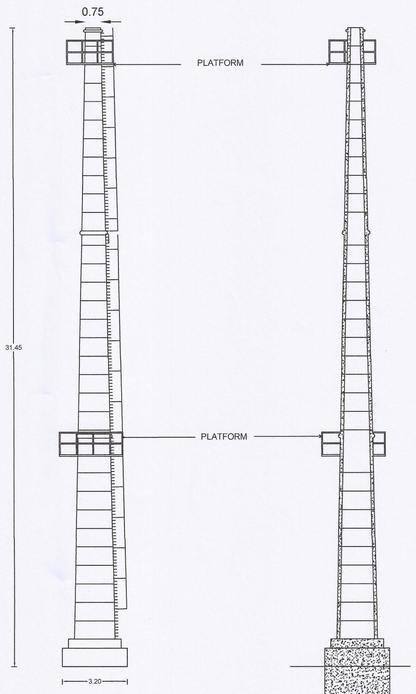
ELEVATION 1200KL WATER TANK (BLOCK-21)



SECTIONAL ELEVATION 1200KL WATER TANK (BLOCK-21)

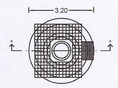


TOP VIEW PLAN 1200KL WATER TANK (BLOCK-21)

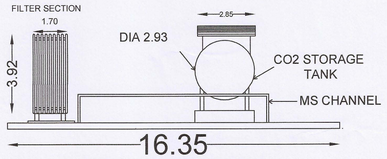


CHIMNEY ELEVATION

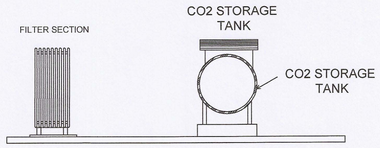
SECTIONAL ELEVATION CHIMNEY



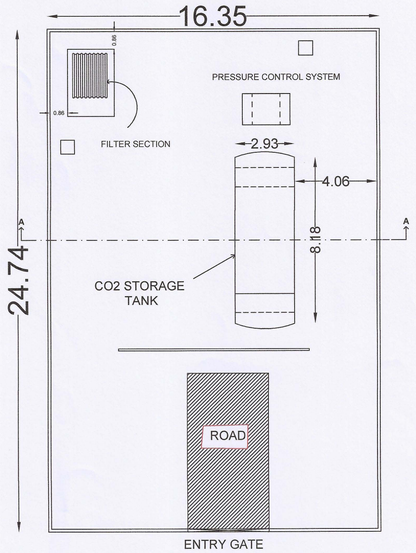
CHIMNEY PLAN



ELEVATION PLAN- CO2 TANK (BLOCK-19)



SECTIONAL ELEVATION PLAN- CO2 TANK (BLOCK-19)



GROUND FLOOR PLAN- CO2 TANK (BLOCK-19)

AREA DETAILS

		SQ.M	SQ.FT
1	APPLICANT SITE AREA - (32 ACRES 30 CENTS)	130715.00	1407016.26

EXISTING APPROVED BUILDING AREA

ALREADY APPROVED FSI AREA - 5494.20SQ.M
ALREADY APPROVED (CONSTRUCTED) - 5170.20 SQ.M
ALREADY APPROVED NOT CONSTRUCTED - 324 SQ.M

ADDITIONAL CONSTRUCTED AREA DETAILS

SL.NO	BLOCK NOS	DESCRIPTION	SQ.M	SQ.FT
1	BLOCK-19	CO2 TANK (OPEN PLACE)	404.50	4354.00
2	BLOCK-21	1200 KL WATER TANK (OPEN PLACE)	201.14	2165.05

DRIVE WAY	
EXISTING ROAD	
BOUNDARY	
APPROVED CONSTRUCTION NOT DONE	
APPROVED AREA	
MACHINERY	
MAZZANINE FLOOR	

For VARUN BEVERAGES LTD.
Authorised Signatory

APPLICANT

C. DHEENATHAYALAN., BE,
REG. STRUCTURAL ENG. GRADE - II (RSE)
REG. NO: RSE / GR. II / TUT / JULY 2019 / 005
CORP. REG. NO : STRUCTURAL ENG. GR. II S.E NO: 138 / LS / 2019 / 08010
24E, NANTHA GOPALA PURAM (WEST), THOOTHUKUDI - 628 002
Cell : 94427 23339, 80569 57099

STRUCTURAL ENGINEER

MANIKANDA ASSOCIATES
Er. S. PONMANIKANDAN M.E (STRUCTURAL),LL.B.AIV,AMIE
REG ENGINEER/REG VALUER/CHARTERED ENGINEER
RE-1/TKDTCP/OCTOBER/2/2023, 138/LS/2019/00009
TUT/2022/08, OPM/2022/05, SVM/2022/04
149/8, POLEPETTAI 1ST STREET, TUTICORIN, PH-8056700160

REGISTERED ENGINEER

PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF M/S.VARUN BEVERAGES LTD.

INDUSTRIAL BUILDING, AT PLOT NO.B-65 TO B-67,B-68.PART,B-69.PART,B-70 TO B.76, REVISED APPROVED LAYOUT NO.L.P/D.T.C.P NO: 54/2013, IN SURVEY NO:1641 PART, 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE,GANGAI KONDAN VILLAGE & PANCHAYAT, MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

APPLICANT: M/S.VARUN BEVERAGES LTD.

கட்டிட அனுமதி எண்.தொ.வ./ம(திலி) எண்.04/2015, DATED:28/01/2015

SCALE 1:100

SL.NO	DESCRIPTION	NOS	HP	TOTAL HP
1	CHILLER WITH BLOW MOULDER	1	40.00	40.00 HP

AREA DETAILS

		SQ.M	SQ.FT
1	APPLICANT SITE AREA - (32 ACRES 30 CENTS)	130715.00	1407016.26

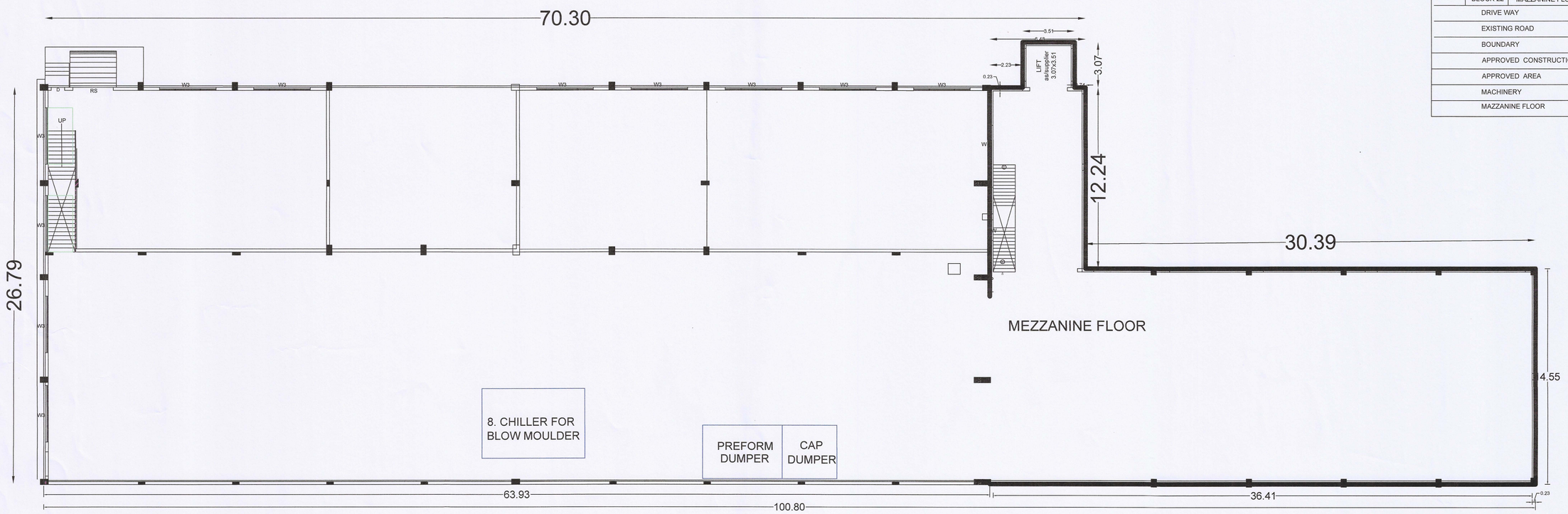
EXISTING APPROVED BUILDING AREA

ALREADY APPROVED FSI AREA - 5494.20 SQ.M
ALREADY APPROVED (CONSTRUCTED) - 5170.20 SQ.M
ALREADY APPROVED NOT CONSTRUCTED - 324 SQ.M

ADDITIONAL CONSTRUCTED AREA DETAILS

SL.NO	BLOCK NOS	DESCRIPTION	SQ.M	SQ.FT
1	BLOCK-22	MAZZANINE FLOOR	2337.887	25164.80

DRIVE WAY	
EXISTING ROAD	
BOUNDARY	
APPROVED CONSTRUCTION NOT DONE	
APPROVED AREA	
MACHINERY	
MAZZANINE FLOOR	



For VARUN BEVERAGES LTD,
Authorised Signatory

APPLICANT

C. DHEENATHAYALAN., BE,
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REG. NO: RSE / GR. II / TUT / JULY 2019 / 005
CONCP. REG. NO : STRUCTURAL ENG. GR. II S.E NO: 138 / LS / 2019 / C0010
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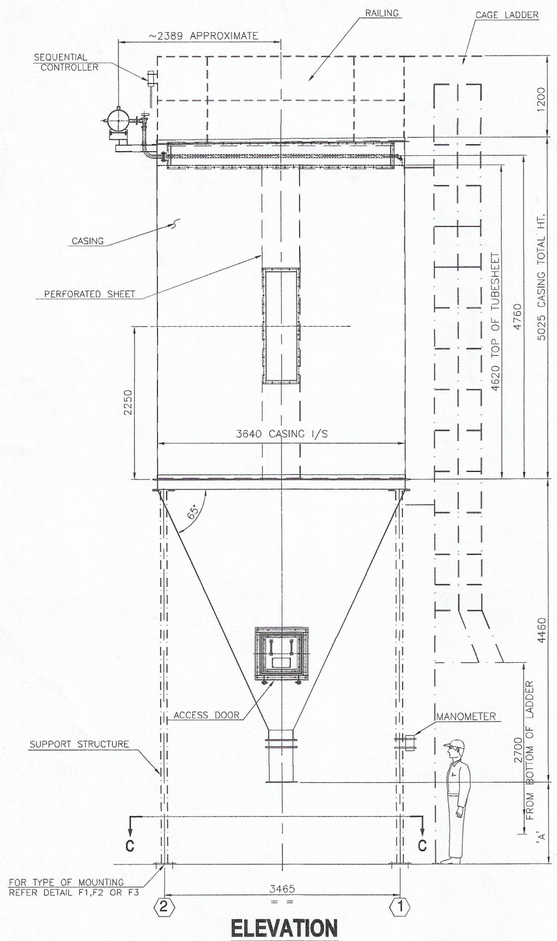
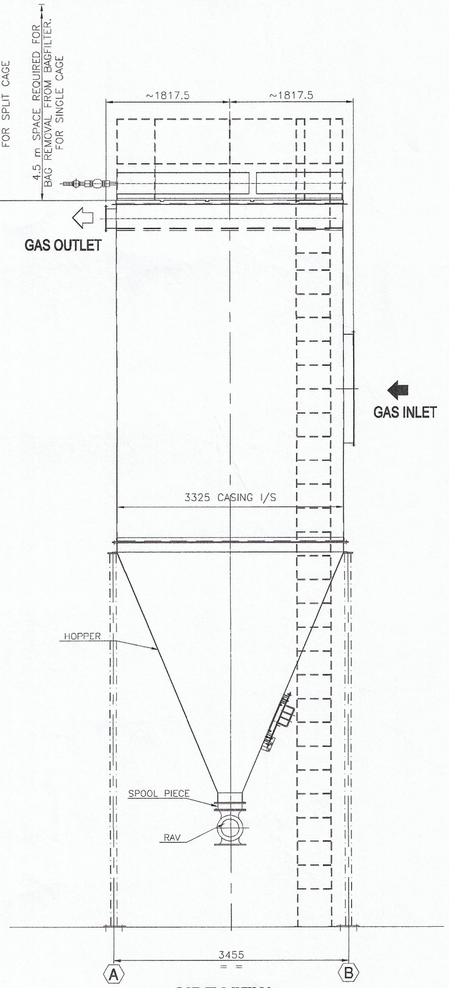
TUT/2022/08, OPM/2022/05, SVM/2022/04
149/3, POLEPETAI 1ST STREET, TUTICORIN, PH-8056700160

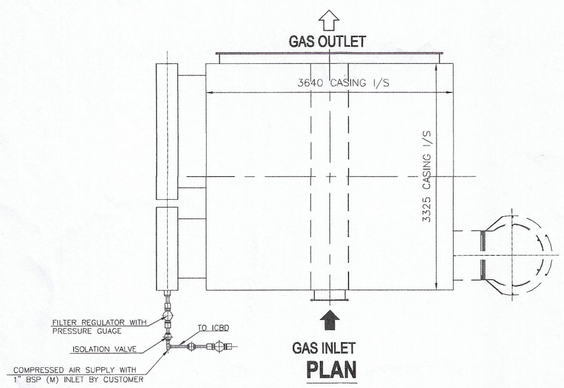
REGISTERED ENGINEER



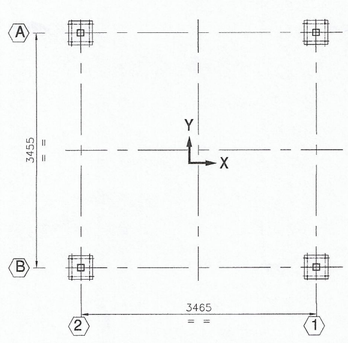
ELEVATION



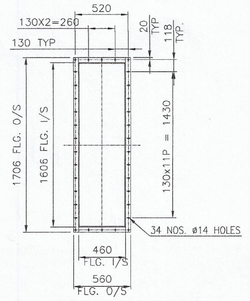
SIDE VIEW



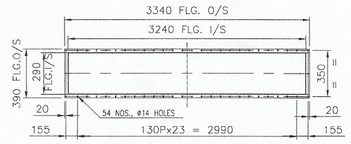
PLAN



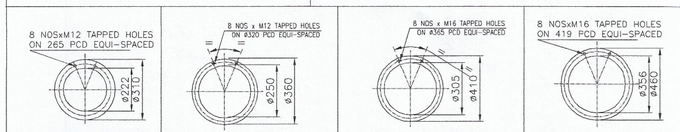
MOUNTING PLAN (SECTION `C-C')



GAS INLET FLANGE DETAIL
(WITH COUNTER FLANGE,GASKET & HARDWARE)

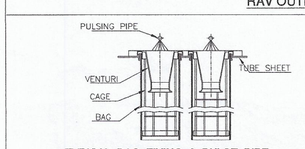


GAS OUTINLET FLANGE DETAIL
(WITH COUNTER FLANGE,GASKET & HARDWARE)



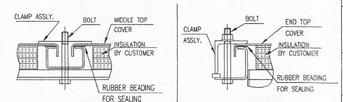
FLG-I (FOR 200 NB RAV) | FLG-II (FOR 250 NB RAV) | FLG-III (FOR 300 NB RAV) | FLG-IV (FOR 350 NB RAV)

RAV OUTLET FLANGE DETAILS



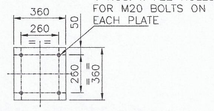
TYPICAL BAG FIXING & PULSE PIPE ARRANGEMENT

NOTES:-
1) PROCEDURE FOR BAG REMOVAL : REMOVE TOP COVERS & PULSING PIPES.
2) FOR INSPECTION & REMOVAL OF BAGS : IT IS REQUIRED TO DISASSEMBLE RESPECTIVE PULSING PIPE ABOVE THE BAG ROW.

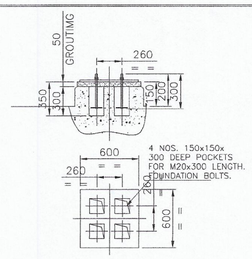


AT MIDDLE | AT CORNER

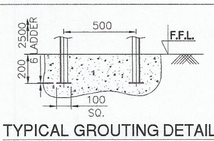
TOP COVER FIXING ARRANGEMENT (TYP.)



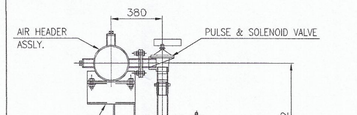
COLUMN BASEPLATE DETAIL (TYPICAL)(FOR F1 & F2 TYPE)



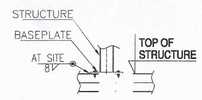
COLUMN FOUNDATION DETAIL (TYPICAL) (FOR F1 TYPE)



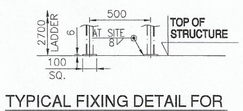
TYPICAL GROUTING DETAIL FOR LADDER (FOR F1 TYPE)



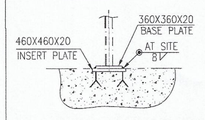
PULSING SYSTEM DETAIL



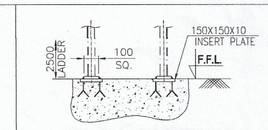
COLUMN MOUNTING DETAIL (TYPICAL) (FOR F2 TYPE)



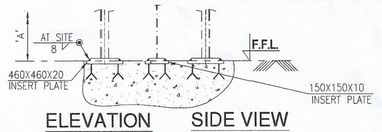
TYPICAL FIXING DETAIL FOR LADDER (FOR F2 TYPE)



TYPICAL STRUCTURE GROUTING DETAIL (FOR F3 TYPE)



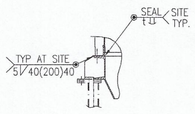
TYPICAL GROUTING DETAIL FOR LADDER (FOR F3 TYPE)



ELEVATION | SIDE VIEW

NOTE DESIGN TO BE :-
1) BAGFILTER STRUCTURE WILL BE WELDED WITH INSERT PLATE. INSERT PLATE DESIGN & FIXING ARRENGEMENT TO BE FINALIZED BY CUSTOMER

F3. TYPICAL GROUTING DETAIL (RCC WITH INSERT PLATE)



HOPPER TO CASING COLUMN WELDING DETAIL

LOAD DATA (IN KGS.)	(WIND PRESSURE = 150 Kg/m2.) LOAD DATA IS VALID UPTO 2500 mm GROUND CLEARENCE. LOAD DATA IS VALID UPTO 1200 KG/M3 DUST DENSITY.					
COLUMN	DEAD LOAD		VERTICAL LOAD DUE TO WIND		HORIZONTAL LOAD DUE TO WIND	
EACH COLUMN	WITHOUT DUST	WITH DUST	"X" DIR	"Y" DIR	"X" DIR	"Y" DIR
	5000	10400	±5950	±6750	2850	3100

STANDARD NOTES

A) PRODUCT DATA

1) FOR TECHNICAL SPECIFICATION OF BAGFILTER AND SCOPE OF SUPPLY REFER GA DATA SHEET.
2) LADDER POSITION IS INDICATIVE – ACTUAL POSITION TO BE DECIDED AT SITE BASED ON SITE CONDITIONS.
3) OUTLET POSITION CANNOT BE CHANGED.
4) ID FAN SHOULD NOT START UNLESS DISCHARGE VALVE AND SEQUENTIAL CONTROLLER STARTS OPERATING.
5) FOR SPOOL PIECE HEIGHT REFER DATA SHEET.
6) SUPPORT STRUCTURE, COLLAPSIBLE LADDER & RAILING ARE SHIPPED IN SEMI KNOCK DOWN CONDITION. (ONLY IN THERMAX SCOPE)
7) CUSTOMER HAS TO MAKE SEPARATE PROVISION FOR FAN FOUNDATION.
8) FOR RAV SIZE,PAINTING SCHEMA, INSULATION REQUIREMENT AND OTHER DETAIL REFER GA DATA SHEET.
9) PAINTING AREA :– 435 m2
   INSULATION AREA :– 200.0 m2 (APPLICABLE ONLY FOR INSULATED FILTERS)
10) 't' IS WELD SIZE = THICKNESS OF PLATE.
11) MINIMUM HOPPER PLATE ANGLE IS 65 °.
12) WEIGHT OF HEAVIEST COMPONENT (KG) :– 6500 Kg.
13) HOPPER VOLUME (M3) :– 17.1

B) UTILITIES:-

1) ELECTRICAL:– REFER DATA SHEET
2) COMPRESSED AIR REQUIREMENT :– REFER DATA SHEET
   NORMAL – REFER DATA SHEET m3/min (FAD)
   (COMPRESSED AIR QUALITY : OIL CONTENT LESS THAN 0.02 gms/Nm3
   MOISTURE CONTENT : ATMOSPHERIC DEW POINT TEMP.–10°C. WHICH CORRESPONDS TO 2 gm/Nm3)

C) SUPPLY CONDITION OF CASING & HOPPER:-

REFER DATA SHEET

CUSTOMER SELECTION AREA

DIMENSIONAL GRID	DISTANCE 'A'	500	800	1000	1200	1500	2000	2500
PLEASE TICK MARK (✓) REQUIRED GROUND CLEARANCE								

MOUNTING DETAIL TYPE	'F1' : GROUND OR TOP OF RCC	'F2' : STEEL STRUCTURE	'F3' : RCC WITH INSERT PLATE
PLEASE TICK MARK (✓) REQUIRED FOUNDATION TYPE			

For VARUN BEVERAGES LTD.
Authorised Signatory
APPLICANT

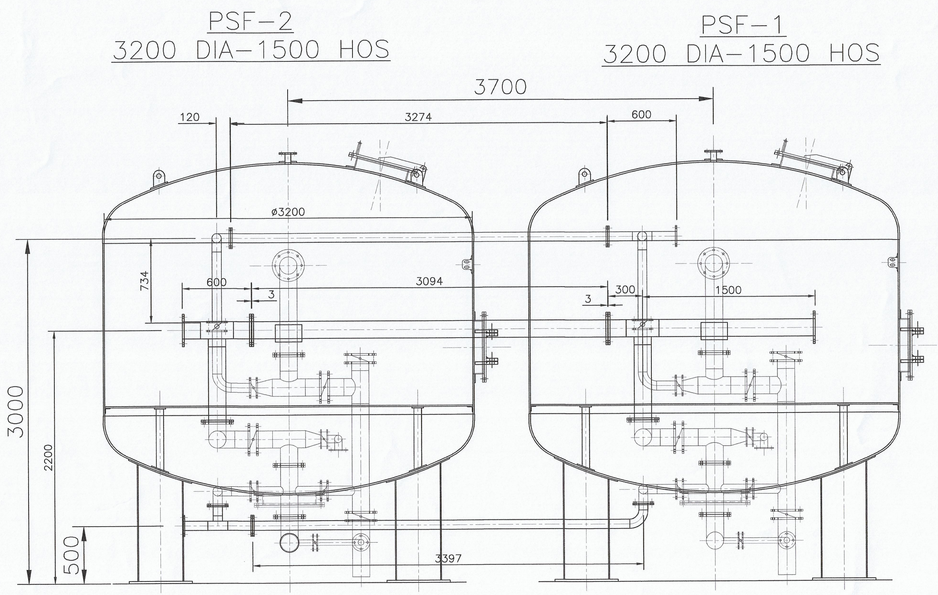
MANIKANDA ASSOCIATES
Er. S. PONMANIKANDAN M.E (STRUCTURAL),LLB.AIV,AMIE
REG ENGINEER/REG VALUER/CHARTERED ENGINEER
R.[illegible]/TKDTCP/OCTOBER/2/2023, 138/LS/2019/00009
[illegible]UT/2022/08, OPM/2022/05, SVM/2022/04
14[illegible], POLEPETTAI 1ST STREET, TUTICORIN, PH-8056700160
REGISTERED ENGINEER

C. DHEENATHAYALAN., BE,
REG. STRUCTURAL ENG. GRADE - II (RSE)
REG. NO: RSE / GR. II / TUT / JULY 2019 [illegible]905
CORP. REG. NO : STRUCTURAL ENG. GR [illegible] S.E NO: 138 / LS / 2019 / 00010
24E, NANTHA GOPALA PURAM (WEST),
THOOTHUKUDI - 628 002
Cell : 94427 23339, 80569 57099
STRUCTURAL ENGINEER

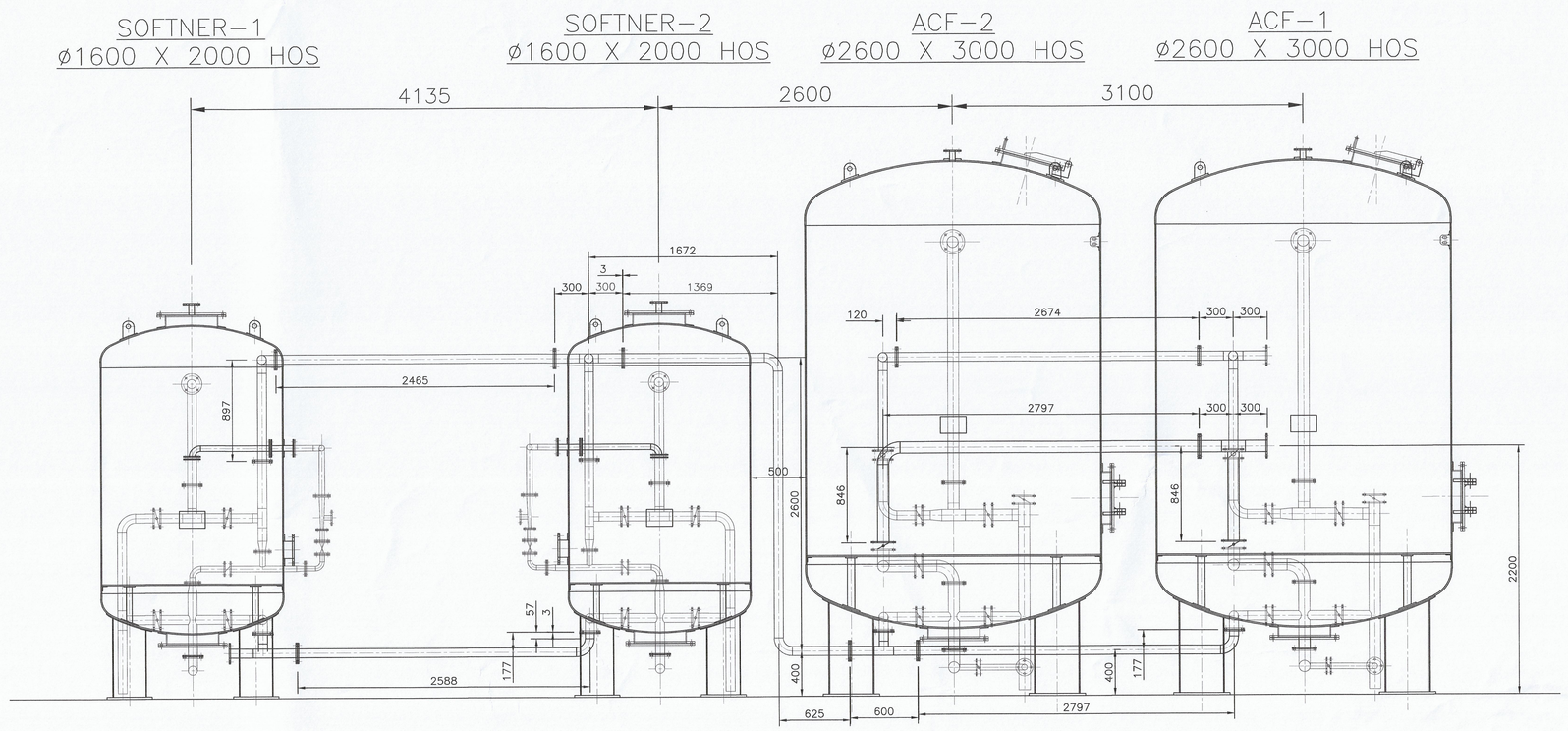
PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF A AINSTALLATION OF 1227 HP OF M/S VARUN BEVERAGES LTD, INDUSTRIAL BUILDING AT PLOT NO:68 PART B-69 PART B-70 TO B-76 , REVISED APPROVED LAYOUT NO:L.P/D.T.C.P NO.4/2013 IN SURVEY NO:11641 PART , 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE, GANGAIKONDAN VILLAGE & PANCHAYAT, MANNUR PANCHAYAT UNION, TIRUNELVELI DISTRICT

APPLICANT ; VARUN BEVARAGES LTD GANGAIKONDAN (BAG FILTER DRAWING)

REFERENCE DRG. NO. - EP-A01/3139



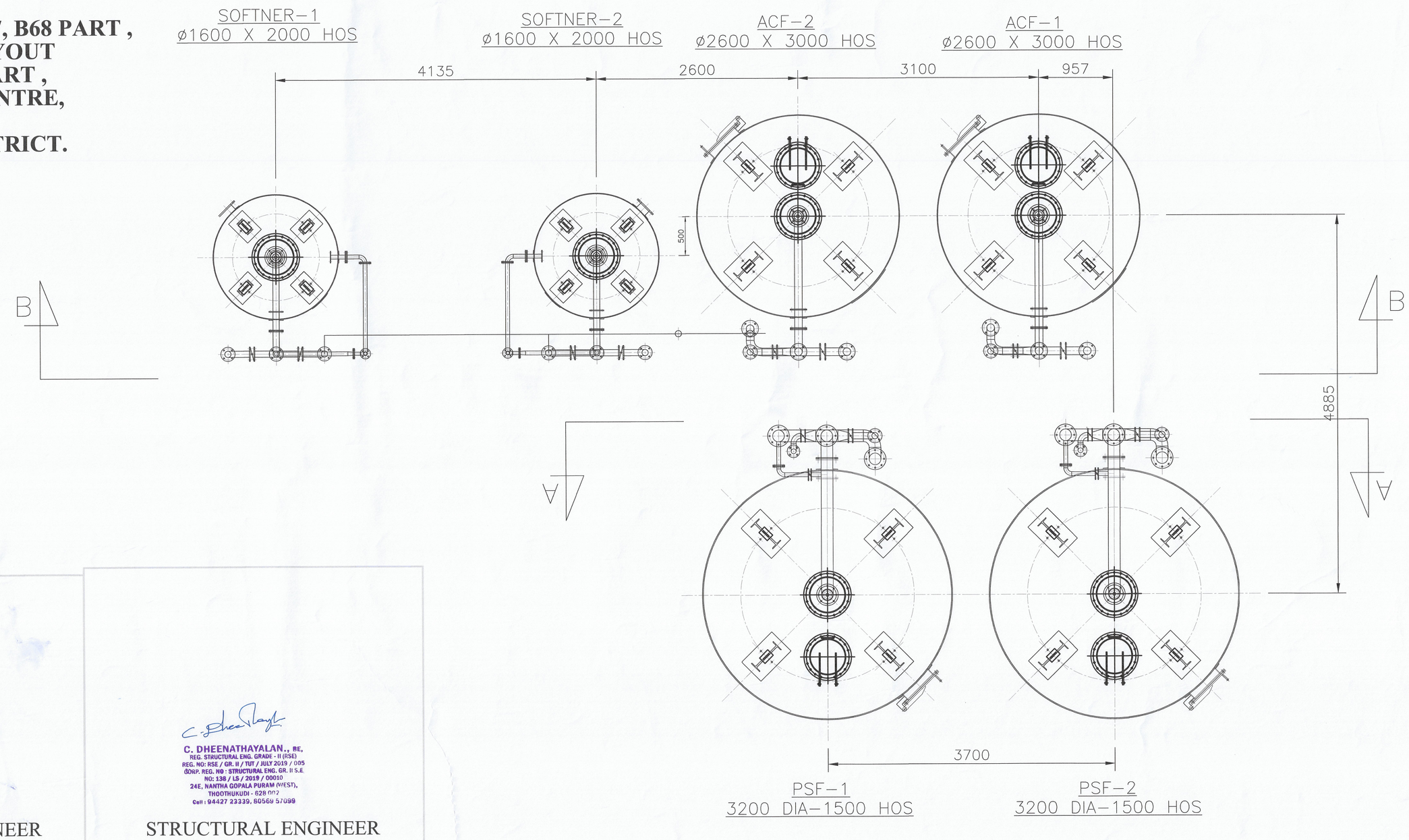
VIEW–AA



PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF M/S VARUN BEVERAGES LTD INDUSTRIAL BUILDING, AT PLOT NO: B65 TO B67, B68 PART , B69 PART, B-70 TO B-76, REVISED APPROVED LAYOUT NO:.L.P/D.T.C.P NO:54/2013 IN SURVEY NO: 1641 PART , 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE, GANGAIKONDAN VILLAGE & PANCHAYAT, MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

APPLICANT : M/S. VARUN BEVERAGES LTD

FILTER AREA (BLOCK NO:20)



For VARUN BEVERAGES LTD.
Authorised Signatory

APPLICANT

KANAKKARAN ASSOCIATES
Dr. S. PONNAIYAKANDAN M.E (STRUCTURAL),LL.B,MV,AMIE
REG ENGINEER/MSC VALUER/ CHARTERED ENGINEER
RE-1/TKDCP/PC2018/D.T/2023, 138/LS/2019/C00109
TUT/2022/VOL OPM/2022/GS, 9PM/2022/04
140/8, POLEPETTAI 1ST STREET, TUTICORIN, PH-9025170519

REGISTERED ENGINEER

C. DHEENATHAYALAN., BE.
REG. STRUCTURAL ENG. GRADE - II (RSE)
REG. NO: RSE / GR. II / TUT / JULY 2019 / 005
(EX)Dr. REG. NO : STRUCTURAL ENG. GR. II S.E
NO: 138 / LS / 2019 / 00010
24E, NANTHA GOPALA PURAM (WEST),
THOOTHUKUDI - 628 002
Cell : 94427 23339, 80569 57099

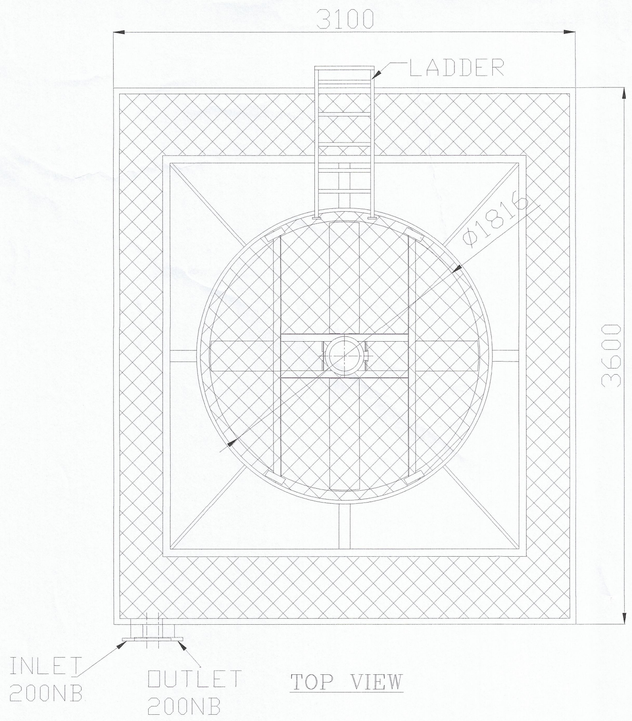
STRUCTURAL ENGINEER

PLAN SHOWING THE ADDITIONAL CONBSTRUCTION OF M/S.VARUN BEVRAGES LTD, INDUSTRIAL BUILDING, AT PLOT NO:B-65 TO B-67,B-68 PART,B-69PART,B-70 TO B-76, REVSIED APPROVED LAYOUT NO: L.P/D.T.C.P.NO: 5 4/2013 IN SURVEY NO:1641 PART , 1903 PART AT SPICOT INDUSTRIAL GROWTH CENTRE , GANGAIKONDAN VILLAGE & PANCHAYAT,MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

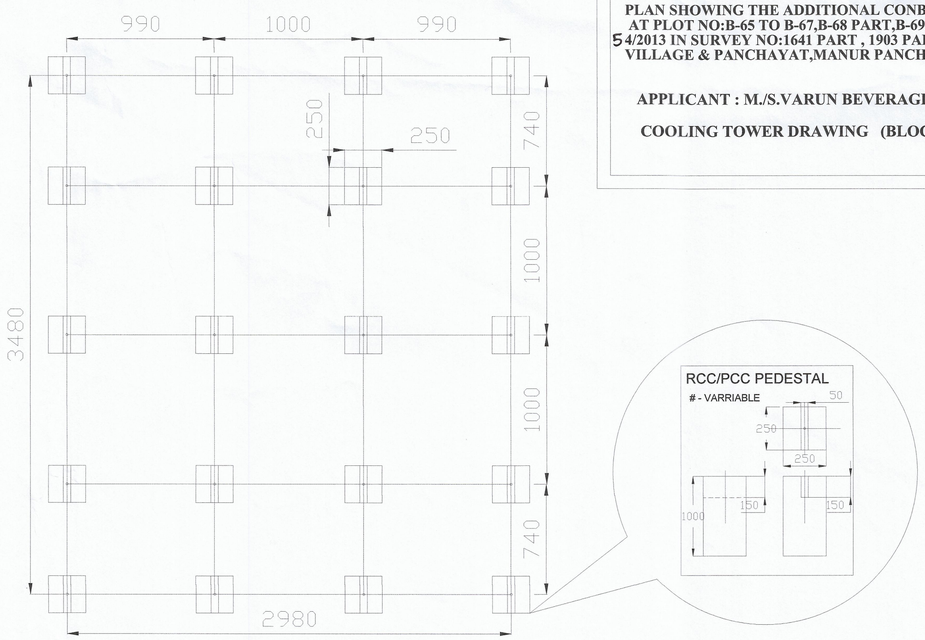
APPLICANT : M./S.VARUN BEVERAGES LTD

COOLING TOWER DRAWING (BLOCK NO: 17)

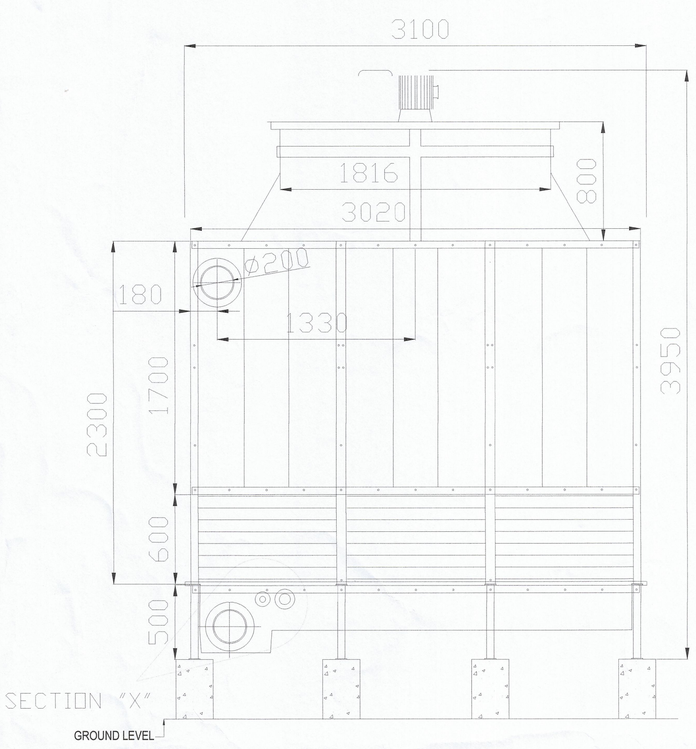
SHEET NO: 11 OF 11



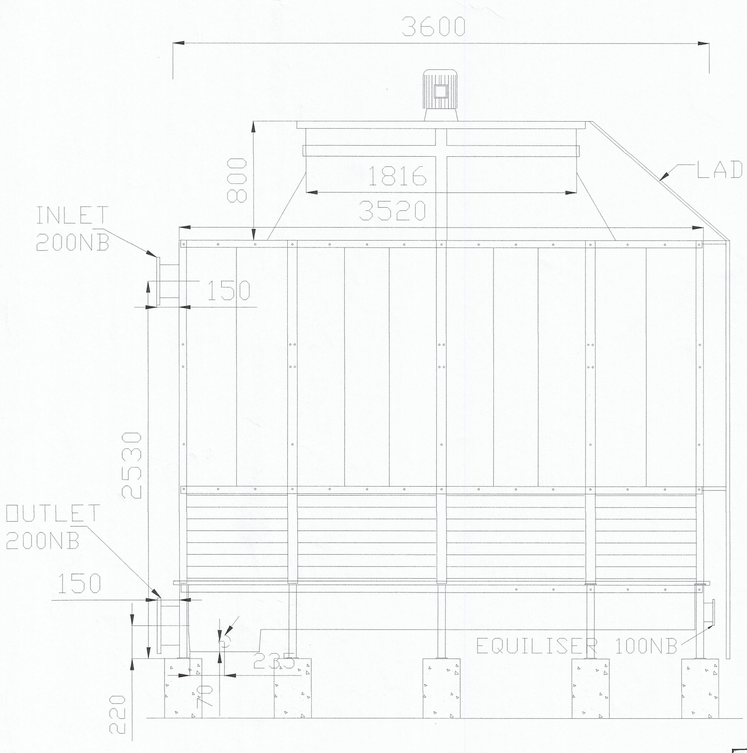
TOP VIEW



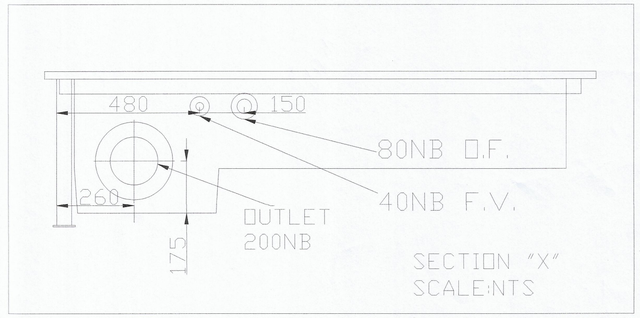
FOUNDATION



FRONT VIEW



SIDE VIEW



NOTES:
- ALL DIMENSIONS ARE IN MM
- ALL FLANGES AS PER "E" TABLE
- WE RESERVE THE RIGHT TO CHANGE THE SPECIFICATION WITHOUT ANY PRIOR NOTICE AS THE COMPANY BELIEVES IN CONTINUOS RESEARCH AND DEVELOPMENT OF THE PRODUCT.
- ARRANGE GROUTING POCKETS IN GROUND LEVEL WITH (WATER)LEVEL TUBE
- MINIMUM FOUNDATION HEIGHT IS 1000mm,IT CAN BE INCREASE FOR NET POSITIVE SUCTION HEAD

For VARUN BEVERAGES LTD. Authorised Signatory **APPLICANT**	C. DHEENATHAYALAN., BE, REG. STRUCTURAL ENG. GRADE - II (RSE) REG. NO: RSE / GR. II / TUT / JULY 2019 / 005 CORP. REG. NO : STRUCTURAL ENG. GR. II S.E NO: 138 / LS / 2019 / 00010 24E, NANTHA GOPALA PURAM (WEST), THOOTHUKUDI - 628 002 Cell : 94427 23339, 80569 57099 **STRUCTURAL ENGINEER**	VAITHEKAMEDA ASSOCIATES Er. S. PONRAMKANDAN M.E (STRUCTURAL),LLB,AIV,AMIE REG ENGINEER/REG VALUER/CHARTERED ENGINEER RE-1/TKDTCP/OCTOBER/2/2023, 138/LS/2019/C0003 TUT/2022/08, OPM/2022/05, SVM/2022/04 149/8, POLEPETAN 1ST STREET, TUTICORIN, PH-8056700160 **REGISTERED ENGINEER**

SITE PLAN SHOWING THE ADDITIONAL CONSTRUCTION OF M/S.VARUN BEVERAGES LTD INDUSTRIAL BUILDING, AT PLOT NO.B-65 TO B-67,B-68 PART,B-69 PART,B-70 TO B.76, REVISED APPROVED LAYOUT NO.L.P/D.T.C.P NO: 54/2013, IN SURVEY NO:1641 PART, 1903 PART AT SIPCOT INDUSTRIAL GROWTH CENTRE,GANGAI KONDAN VILLAGE & PANCHAYAT, MANUR PANCHAYAT UNION, TIRUNELVELI DISTRICT.

APPLICANT: M/S.VARUN BEVERAGES LTD.

கட்டிட அனுமதி எண்.தொ.வ.ம(திலி) எண்.04/2015, DATED:28/01/2015

SITE PLAN

SCALE- 1:400

AREA DETAILS			
		SQ.M	SQ.FT
1	APPLICANT SITE AREA - (32 ACRES 30 CENTS)	130715.00	1407016.26

EXSTING APPROVED BUILDING AREA

ALREADY APPROVED FSI AREA - 5494.20 SQ.M
ALREADY APPROVED (CONSTRUCTED) - 5170.20 SQ.M
ALREADY APPROVED NOT CONSTRUCTED - 324 SQ.M

ADDITIONAL CONSTRUCTED AREA DETAILS

SL.NO	BLOCK NOS	DESCRIPTION	F.S.I SQ.M	NON - F.S.I SQ.M	TOTAL BUILDUP AREA SQ.M
1	BLOCK-1	PRODUCTION AREA -MAIN PLANT	18025.5	-	18025.5
2	BLOCK-2	SCRAP YARD 1 & 2	368.48	-	368.48
3	BLOCK-3	UTILITY & CHEMICAL STORAGE	966.28	-	966.28
4	BLOCK-4	SECURITY ROOM	19.95	-	19.95
5	BLOCK-5	DRIVER ROOM	94.86	-	94.86
6	BLOCK-6	UTILITY ROOM	799.00	-	799.00
7	BLOCK-7	VCB ROOM	25.00	-	25.00
8	BLOCK-8	WATER TREATMENT PLANT	467.61	-	467.61
9	BLOCK-9	SCRAP YARD-3	104.63	-	104.63
		TOTAL (A)	20871.31	-	20871.31
10	BLOCK-10	COVERED CAR PARKING-1	112.00	-	112.00
11	BLOCK-11	COVERED TWO WHEELER PARKING-2	258.68	-	258.68
12	BLOCK-12	STP ROOM	39.60	-	39.60
13	BLOCK-13	LORRY TARPAI TIEING AREA	266.95	-	266.95
14	BLOCK-14	WATER TREATMENT TANK	329.40	-	329.40
15	BLOCK-15	ETP PLANT	1771.65	-	1771.65
16	BLOCK-16	EB YARD (OPEN AREA)	114.45	-	114.45
17	BLOCK-17	COOLING TOWER (OPEN AREA)	93.68	-	93.68
18	BLOCK-18	BAG FILTER (OPEN AREA)	42.77	-	42.77
19	BLOCK-19	CO2 TANK (OPEN AREA)	404.50	-	404.50
20	BLOCK-20	FILTER AREA (OPEN AREA)	843.60	-	843.60
21	BLOCK-21	1200 KL WATER TANK (OPEN AREA)	201.14	-	201.14
		TOTAL (B)	4478.42	-	4478.42
22	BLOCK-22	MAZZANINE FLOOR	2337.887	-	2337.887
		TOTAL (C)	2337.887	-	2337.887
		TOTAL AREA (A+B+C)	27687.617	-	27687.617

DRIVE WAY	
EXISTING ROAD	
BOUNDARY	
APPROVED CONSTRUCTION NOT DONE	
APPROVED AREA	
MACHINERY	
MAZZANINE FLOOR	

Building plan for DTCP No: SWP/28/2024

LORRY PARKING CALCULATION: (3.50m x10 m)
WAREHOUSE TOTAL AREA : 14,992 SQ.M
ONE LORRY PARKING FOR EVERY 500 SQ.M
REQUIRED LORRY PARKING = 14,152 / 500 = 28.30 Nos
PROVIDED LORRY PARKING = 36 Nos

CAR PARKING CALCULATION: (2.5m x 5m)
OFFICE TOTAL AREA : 260.96 SQ.M
ONE CAR PARKING FOR EVERY= 100 SQ.M
REQUIRED CAR PARKING = 260.96 / 100 = 2.60 Nos
PROVIDED CAR PARKING = 8 Nos

TWO WHEELER PARKING CALCULATION: (1.0m x 1.8m)
WORKER TOTAL AREA : 3786.82 SQ.M
ONE TWO WHEELER FOR EVERY= 50 SQ.M
REQUIRED TWO WHEELER PARKING = 3,786.82 / 50 = 75.74 Nos
PROVIDED TWO WHEELER PARKING = 88 Nos

F.S.I. (FLOOR SURFACE INDEX)

EXISTING FSI AREA 5170.20 SQ.M +
PROPOSED FSI AREA 27687.617SQ.M
TOTAL FSI AREA 32857.81 SQ.M

FSI - 32857.81 / 130715 = 0.251

Note: Rain water harvest system is provided as per plan.

Solar water heating system arrangements are to be provided as per IS 12933 in this proposed building.

MACHINES LIST				
SL.NO	DESCRIPTION	NOS	HP	TOTAL HP
1	FILLED BOTTLE CONVEYOR	2	92.00 HP	184.00 HP
2	AIR CONVEYOR	2	35.00 HP	70.00 HP
3	STRETCH WRAPPING MACHINE	1	4.00 HP	4.00 HP
4	SHRINK WRAPPING MACHINE	2	4.00 HP	8.00 HP
5	CONTAINER LABELLING MACHINE	2	19.00 HP	38.00 HP
6	RINSER FILLER CAPPER	2	12.00 HP	24.00 HP
7	BLOW MOULDER	2	269.00	538.00 HP
8	CHILLER WITH BLOW MOULDER	1	40.00	40.00 HP
9	HP COMPRESSSOR	2	7.00	14.00 HP
10	COOLING TOWER WITH HP COMPRESSOR	2	7.00	14.00 HP
11	HEAT VENTILATION AIR-CONTIONED	1	172.00	172.00 HP
12	BOILER	1	8.00	8.00 HP
13	WATER TREATMENT PLANT	1	30.00	30.00 HP
14	SUPER CHILLER MACHINE MOTOR	1	64.00	64.00 HP
15	PALLATIZER MACHINE	1	4.00 HP	4.00 HP
16	STP, ETP	2	7.50 HP	15.00 HP
	TOTAL			1227 HP

1	GENERATOR (160 KVA)	1 NO
2	GENERATOR (750 KVA)	1 NO
3	GENERATOR (1010 KVA)	1 NO
4	GENERATOR (1500 KVA)	1 NO

For VARUN BEVERAGES LTD.
Authorised Signatory

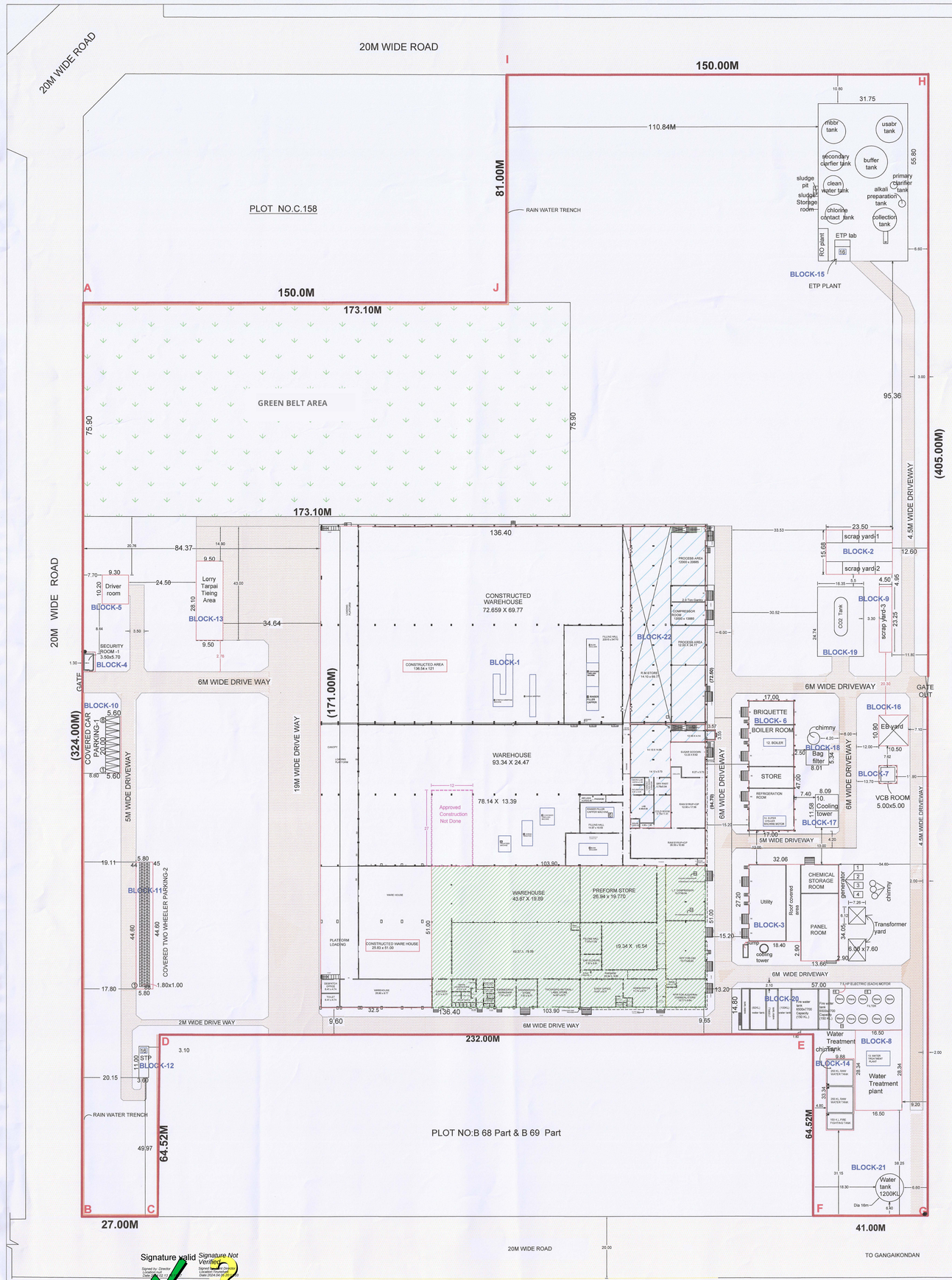
APPLICANT

C. DHEENATHAYALAN., BE,
REG. STRUCTURAL ENG. GRADE - II (RSE)
REG. NO: RSE / GR. II / TUT / JULY 2019 / 085
(CORP. REG. NO : STRUCTURAL ENG. GR. II S.E NO: 138 / LS / 2019 / 00010
24E, NANTHA GOPALA PURAM FIRST ST, THOOTHUKUDI - 628 002
CELL: 94427 23335, 94439 54058

STRUCTURAL ENGINEER

MANORANJA ASSOCIATES
Er. S. PONNAMUTHARAJAN M.E.(STRUCTURAL),LL.B.,AM.AMIE
REG ENGINEER/HYD VALUER/CHARTERED ENGINEER
RE-1/TKDICP/OCTOBER/2/2023, 138/LS/2019/00009
TUT/2022/08, OPM/2022/05, SVM/2022/04
145/8, POOLPETTAI 1ST STREET, TUTICORIN, PH-8056[illegible]

REGISTERED ENGINEER



Signature valid Signature Not Verified