

For Credit
Dept

IAC CO

Hardip Singh

PN. 23301071 - 0851

Phone : 98351 46397

94311 81897

Goriary Bag

Behind Milonee Club

Ramgarh Cantt.-829122

[Jharkhand]

Chartered Engineer

B Tech., FIV, MIE, AIISA

Govt. Regd. & Approved Valuer,

Estimator, Surveyor & Loss Assessor

Regn. Nos. - 17/2005-06, Cat.-VII & P-16566

VALUATION REPORT

Ref. No. HS/Val-PND/2008-09/003

Date : 12.11.2008

The Chief Manager,
Punjab National Bank,
Mahavir Chowk Branch,
Ranchi

At your kind request, the valuation of the under mentioned property, named M/s Indo Ashahi Glass Company Ltd., has been done by the undersigned on the basis of the physical inspection of the under mentioned property and on the basis of documents furnished by Sri P.K. Mittal, director of M/S. Indo Ashahi Glass Company Ltd. The characteristics of property have been found as hereunder: the client. The characteristics of property have been found as follows:

1. Purpose of valuation : To assess the present day 'Fair Market Value' of the Immovable property.
2. Date of visit : 09.11.2008
3. Person/s accompanying/available at the site at the time of visit/ inspection/valuation : Sri. Nakul Kumar
4. a. Complete address of the property (Door No., Street/ Cross Road Survey No. etc.) : M/s. Indo Ashahi Glass Company Ltd.,
At- Bhurkunda,
P.O. Bhadaninagar,
Dist. Ramgarh, Jharkhand.
- b. Boundaries : As per annexure
5. Ownership of the property :
 - a. Name and address of the owner : It is a Limited Company
 - b. Since how long owning the property :
 - c. Whether joint/Co-ownership(Specify) : Yes
 - d. In case of joint ownership please furnish names of each owner and also whether the shares are undivided : It is a Limited Company



- ii. No how many tenants
- iii. What is the total monthly income
- iv. If partly owner occupied, specify portion and extent of area under owner occupation
17. Whether the said property was valued earlier by you? If so : No
- i. Date of valuation :
- ii. Name and address of the valuer :
- iii. Whether in the approved panel of bank :
- iv. Purpose of earlier valuation :
- v. Basis of valuation :
- vi. Also submit/enclose a copy of the earlier Valuation Report :
18. Basis of present valuation : See annexure
- a. Present depreciated value as above (under point No.-9) : See annexure
- b. Market Value : Rs.108,87,00,000/-
- i. Rate adopted : See annexure
- ii. Basis of the adopted rates : Local market enquiry
- iii. Whether the adopted rates are commensurate with the rate adopted by Registrar's Office? : No
In case of wide variation please specify reasons
- iv. Whether the adopted rates have any relationship with those adopted by IT Department : No
- v. Whether the rates are based on prevalent rates in the area. If so, the basis for accepting the same : See annexure
19. In case of increase in present valuation over the previous valuation done by you, then furnish the specific reasons, basis for the increase in value and the detail of variation : N/A

[Handwritten signature]

22. Sources of informations for arriving at the forced sale value

: Local inquiry and personal experiences.

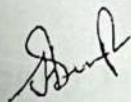
Declaration .

I hereby declare that

- a. the information furnished above is true to the best of my knowledge and belief.
- b. I have no direct or indirect interest in the property valued.
- c. I inspected the property personally on 09.11.2008.
- d. I have not been found guilty of misconduct in my professional capacity.

Date : 12.11.2008.

SIGNATURE OF VALUER :



Place : Ramgarh Cantt.

FULL NAME

: Hardip Singh

Encl. : Annexure.

Recent photographs



VALUATION REPORT

NAME OF FIRM

: I.A.G. Company Ltd.

PLOT NO.

: As per annexure

KEATA NO.

: As per annexure

TYPE OF PROPERTY

: Industrial

PRODUCT

: Plain sheet Glass &
Figured Glass

Harp Singh

Chartered Engineer
B. TOL. CIV. MIE, AUS.

Forlary Bag
Ramgarh Cantt- 829122
Jharkhand
Phone : 98351 46397
931 91897

- e. Whether assessed to Wealth Tax. : No
If so, Wealth Tax paid :
- f. Corporation Tax paid : N/F
i. Amount
ii. Year of assessment
iii. Date of payment
- g. Agreement of easement if any : No
And if so, attach copies
- h. Restrictive clauses as to uses if any : No
(Whether Building use certificate from the Corporation has been obtained etc.)
6. a. Location advantages/disadvantages : Property is located at a developing area.
b. Classification of locality Higher class/
Middle class/Poor class : Middle class
i. Civic Amenities : Good
ii. Proximities to surface communication : Butted with BASL - Ramgarh Road
iii. Distance from the City Municipal limits : Within limit
iv. If the property is not within the City Town/Municipal limits then the Distance of the property from the
a. Municipal Office :
b. Municipal limits : Within limit
v. Disadvantages if any to be specified : Nil
7. Title of the property
a. Whether freehold : Yes
b. If not free hold what is the unexpired period of the lease : N/A
c. If lease hold, name of the lessor/lessee
Nature of lease, date of commencement
And terms of renewal of lease : N/A
d. Rent per annum : N/A
e. Unnamed increase payable to the lessor in the event of sale or transfer : N/A
8. Type of property -- Whether
a. Agricultural : No
b. Industrial : Yes



- c. Residential : No
(Flat/Apartment)
(Any restrictive clauses for sale etc.
to be furnished) : N/A
- d. Commercial : N/A
- e. Institutional : N/A
- f. Other (Specify) : N/A
9. What is the
- i. Year of acquisition/purchase of land : 1957
- ii. Value/purchase price paid : Not known
- iii. Year of construction superstructure/
purchase of building : Various times
- iv. Number of floors/stories : N/A
- v. Year of completion :
- vi. Cost of construction/purchase price : See annexure
- vii. Additions/improvements carried out
if any. State briefly nature of additions/
improvements, total cost thereof : Nil
- viii. Rate and amount of depreciation : See annexure
- ix. Present written down value : See annexure
- x. Valuer's opinion regarding the present
condition/state of building : Good
- xi. Estimated future life : See annexure
- 10 i. Area of land to be supported by a map
showing shape, dimension and physical
features : 117.205 acres
- ii. Has the whole or part of the land been
notified for acquisition by Government
or Statutory Body? If so give details : Nil
- iii. Area of building/constructed portion
(State separately for Factory, Admin.
Building, staff quarters etc.) : See annexure
- iv. Type/Class of construction : ISI



v. Service items available : Nil
(list of all the items to be provided
such as lifts, bore-well, sump,
embedded motors, DG set, water
supply, sanitary disposal systems,
canteen, store etc.)

11. If the property is industrial : Yes

a. State for what type of activity/
industry the premises is well suited : Several types of activities

b. Sanctioned/connected power load : 2 MW

c. Type of activity presently going on
at the premises : Production of Glass sheets

12. Whether the property is Residential/apartment : No
If so, then state

a. When the building was constructed : N/A

b. Whether full consideration has been paid
and proper Title documents obtained and
produced for verification : N/A

c. In which floor/storey, flat is located : N/A

13. If the property is of commercial type state : No

i. For what purpose the same is well suited
(Office purpose/Business etc)

ii. The present activity/business being conducted

14. If the property is agriculture state : No

a. Whether dry or wet lands

b. Irrigation facilities available

c. Type of crop grown and annual yield,
income in the previous years

15. Whether the building/property is constructed
strictly according to the sanctioned plan : Yes
Detail of variation, noticed, if any and

Effect of the same on the valuation to
be dealt with specifically : Nil

16. Whether the property is self occupied or
tenanted/let out : Self occupied
If tenanted/let out

i. Since how long



ANNEXURE

The property under valuation, M/s Indo Asahi Glass Company Ltd. is a Limited Company with six directors mentioned in the report. Detail of property is given hereunder :

DETAIL OF PLOT :

The plot of land on which the above mentioned Industry is running, is in the name of the Company. Other details of the plot of land follows as hereunder :

A) Acquired Land

B) Purchased Land

A. PARTICULARS OF LAND IN POSSESSION OF INDO-ASAHI GLASS CO. LTD.

VIDE LAND ACQUISITION CASES DIRECT PURCHASE AND SETTLED BY GOVT.

S. N.	Village	Plot Number	Khata Number	Area	Reference
01	Lapanga	290	4	0.94	Vide L.A. Case No. 20 of 1948-49
		291	4	0.19	transferred by I.F.C.I. to I.A.G. Vide
		319	4	4.65	deed of sale date the 23 rd May, 1957.
		303	8	1.48	
		322	8	0.38	
		323	8	1.52	
		324	8	0.21	
		325	8	0.31	
		326	8	0.37	
		327	8	0.29	
		328	8	0.29	
		329	8	0.08	
		312	9	0.41	
		313	9	0.14	
		341	9	0.13	
		316	25	0.25	
		317	25	0.48	
		315	26	0.22	
		314	26	0.3	
		304	33	1.46	
		321	33	0.82	
		295	36	0.25	
		297	36	1.14	
		289	37	2.07	
		296	37	0.24	
		302	37	1.52	
		292	2	0.63	
		337	23	1.77	
		330	23	0.025	
		347	8	0.46	
		348	8	1.9	
		344	23	0.035	
		345	23	0.31	
		346	23	0.265	
		339	23	0.15	
		358	13	0.66	
		359	13	0.14	
		336	37	0.93	
		357	13	0.80	
		360	16	0.65	
		356	25	1.20	
		361	29	0.40	
		689	5	0.88	
		690	5	0.42	
		293	2	0.50	

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02	Lapanga	337	23	1.77	Vide L.A. Case No. 6 of 1959-60.
		331	35	0.41	
		333	22	0.05	
		334	23	0.27	
		335	25	0.785	
		375	1	0.155	
		377	38	0.02	
		299	16	1.25	
		298	16	0.14	
		301	16	0.10	
		300	16	0.10	
		386	4	0.77	
		387	13	0.11	
		305	36	0.22	
		318	36	0.13	
		339	23	0.15	
		346	23	0.265	
		345	23	0.31	
		344	23	0.025	
		349	8	0.18	
		354	5	0.61	
		355	5	0.35	
		340	22	0.14	
		342	22	0.21	
		343	22	0.49	
		394	15	2.13	
		320	35	0.60	
		338	35	2.71	
		687	35	1.44	
		692	35	0.50	
		332	35	0.21	
		330	23	0.20	
		Total		16.8	

03.	Ladi	11	6	2.53	Vide L.A. Case No. 263 of 1960-61
		13	6	2.14	
		14	8	3.29	
		42	33	1.37	
		41	17	0.96	
		40	1	0.69	
		20	18	2.43	
		22	26	1.54	
		23	18	0.08	
		24	18	0.5	
		25	18	0.38	
		26	18	0.05	
		27	18	0.17	
		Total		16.13	

04	3.78 Acres				
	Lapanga	607	47	0.602	Vide L.A. Case No. 51 of 1958-59
		608	15	0.120	
		594	15	0.154	
		593	12	0.430	
		591	25	1.207	
	Sudi	9	71	0.84	
		21	51	0.207	
		22	51	0.01	
		23	51	0.01	

Shank

Chokore	190	66	0.01
"	191	66	0.04
"	189	32	0.04
"	198	75	0.01
"	197	22	0.10

Total: 3.78

05 0.16 Acres
Lapanga 360 16 0.16 Vide L.A. Case No. 44 of 1958-59.

06 0.70 Acres
Ladi 43 31 0.7 Vide L.A. Case NO. 239 of 1959-60.

07 24.54 Acres
Lapanga 18 13 0.08 Vide L.A. Case No. 84 of 1961-62

"	24	8	1.04
"	25	29	0.35
"	31	13	0.77
"	32	13	0.09
"	33	13	0.41
"	34	13	0.62
"	35	13	0.29
"	36	37	3.02
"	39	13	0.42
"	41	13	0.10
"	275	13	0.03
"	276	13	0.70
"	277	13	0.21
"	50	16	0.56
"	51	16	0.59
"	52	16	0.53
"	53	16	0.44
"	61	31	2.64
"	64	31	0.04
Matkuma	7	9	0.40
"	17	9	0.55
"	19	9	1.22
"	20	7	0.14
"	23	27	0.10
"	24	7	1.37
Matkuma	25	27	0.68
"	26	3	0.44
"	27	7	0.30
"	28	4	0.70
Matkuma	29	3	1.00
"	30	1	1.31
"	31	27	2.35
"	32	27	0.85
"	33	7	0.30

Total: 24.64

08 0.93 Acres
Lapanga 292 2 0.93 8721 dated 28.11.59 (Sake Deed)

09 4.38 Acres
Ladi 16 18 0.15 Deed No. 4039 dt. 27.12.60
17 18 2.39 Deed No. 3333 & 3334 dt. 9.9.60
18 18 0.63 Deed No. 4039 dt. 29.12.60
21 16 0.15 Deed No. 3333 & 3334 dt. 9.9.60

	19	44	0.40	Deed No. 4040 dt. 22.12.60
	22	26	0.65	Deed No. 3335 dt. 27.12.1960
			4.38	
10 3.55 Acres				
Lapanga	26	29	0.93	Deed No. 645 to 16.02.62
	30	23	1.45	Deed No. 646 dt. 16.02.62
	28	35	1.17	Deed No. 644 dt. 16.02.62
			3.55	
11 3.70 Acres				
Lapanga	706	47	3.70	Vide Deed of sale dated the 3 rd of May, 1957 executed by I.F.C.I. in favour of I.A.G.
12 6.90 Acres				
Lapanga	592	47	1.82	Vide Sale deed No. 3150 dt.
Sudi	19	71	1.82	9.5.1970 executed by Dy.
	56	71	1.63	Commissioner, Hazaribagh on behalf
Shikore	195	75	1.63	of Governor of Bihar in favour of
			6.90	I.A.G.
13 1.50 Acres				
Matkuma	15	27	1.50	Deed No. 4448 & 4449 both dated 13.08.1965
14 2.56 Acres				
Ladi	12	44	2.56	Deed No. 825 of 1966 executed by D.C. Hazaribagh on behalf of Govt. of Bihar in favour of I.A.G.
15 0.31 Acres				
Matkuma	19	9	0.11	Vide L.a. Case No. 12 of 1966-67
	30	1	0.09	
	31	27	0.07	
	32	27	0.04	
			0.31	

$\gamma = 118.315$

B. Purchased Land

S. N.	Description of Land	Area Acres	Plot No.	Village
1	<u>Factory</u> Engloses boundary Land for 1 T.P. Factory	19.17	294, 296, 302, 303, 319, 320, 336, 337, 338, 339, 340, 341, 297, 358	Lapanga
2	Englosed boundary Land for 2 T.P. Factory	12.52	290, 291, 292, 293, 304, 305, 312, 313, 314, 315, 316, 317, 318, 342, 343, 345, 346, 348, 347, 355, 360, 361, 356, 359.	Lapanga
3	L.P.G. Yard	1.39	294, 295, 298	Lapanga
4	Raw material yard	10.12	17, 18, 19, 20, 21, 22, 23, 24, 25, 41.	Ladi
4a	Sports Ground	4.7	50, 51, 52, 53, 61, 64.	Lapanga
	<u>Building</u>			
5	O.P. Thana	0.62	331, 332.	Sudi
6	IAG Bunglow, T.D. Bunglow and Bungalows, A Type 'B' Type, 'C' Type, C2 Type, Telephone Exchange Durga Mandap & State	5.935	299, 300, 301, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330.	Lapanga
7	28 Units 'K' Type, 10 units, J Type, Library and E.s.I. Hospital	3.25	344, 348, 349, 354, 356, 357.	Lapanga
8	D. E. B2, B3 and D2 Qtrs.	9.67	11, 12, 13, 14, 15, 16.	Ladi

9	30 Units H Type, F Type, Middle School and Welfare Centre..	11.26	24, 25, 26, 28, 30, 31, 32, 33, 34, 35, 36, 40, 41, 275, 276, 277, 218, 18.	Lapanga
10	I' Type Simple Unite, 'G' Type, 40 Units L Type Qtr.	2.95	286, 287, 288, 289	Lapanga
11	48 Units 'H' Type, H1 Type Qtr.	9.72	15, 17, 19, 20, 23, 24, 25, 26, 27, 28, 29, 30, 33.	Matkurna
<u>Road</u>				
12	Land for P.W.D. Road	2.89	333, 334, 335, 375, 377, 26, 27, 40, 43.	Lapanga Ladi
12	Dam & Jharna River	17.62	688, 706, 687, 689, 690, 692, 591, 592, 593, 594, 607, 608.	Lapanga
<u>Parti</u>				
14	Open Area	5.39	37, 38, 39	Lapanga
	Open Area		7, 31, 32	Matkurna
	Open Area		42	Ladi
		<u>117.205</u>	<u>Acres</u>	

OWNERSHIP :

The property under valuation, M/S I.A.G. Company Ltd. is a Ltd. Company with following directors :

1. Mr. N. Champati - Wholetime Director,
2. Mr. R. Dosi - Wholetime Director
3. Mr. S.K. Biswas,
4. Mr. P. Mittal.
5. Mr. V. Jalan,
6. Mr. H. Benerji.

BRIEF ABOUT PROCESS OF FURNACE - 1

Raw materials are in powder form having desirable grain sizes. Depending upon their melting pints & chemical reaction properties. These materials are mixed in the definite proportion which is 60 % now. These mixed raw materials are called batch. With this batch a definite amount or proportion of cullet is mixed. Cullet is the broken sheet glass generated during manufacturing process generally the batch: cullet ratio is 60:40.

These raw materials are mixed with cullet in "Batch house". Section of the factory. These materials are weighed, mixed & transported through conveyor belt to furnace.

Unit furnace's capacity is 80M.T./day. Furnace is regenerative type of tank furnace. Total area of the furnace is 350 Sqn., the furnace has five ports in each side having alternate firing form left side & right side. The benefit of regenerative type of furnace is to save the fuel & to reduce the wastage of heat. This regenerator is make of fire clay & magnesias bricks.

They use producer gas as fuel for combustion in the furnace. The maximum temp in the furnace is 1620°C maintained near port no. 3. Port is an opening in furnace required for passage of producer gas & air for combustion.

The batch is fed through blanket feeder which is a mechanical appliance responsible for batch feeding. Now this batch get heated & melted in the furnace atmosphere. These molten glass are drawn by Six Drg m/cs situated in drawing section.

Drawing of sheet is made possible through 6 drawing m/cs. The molten glass is drawn through designed slot of refractory's debituse or Asahi blocks to regulate the desired thickness. Sheet is drawn vertically upward with the help of rotating pairs of asbestors rolers (total 15th pair asbestos rollers in each m/cs) which are set in a machine chamber also called lehr.

Annealing is a process in which glass is heated to a temp at which the starains will be relieved during the available time and then cooled in a way that minimum residual strain is introduced.

The sheet glass annealed in lehr is cut off on top floor which is 6-6.5 meter up from working floor of drg.mvcs. These cut off glasses are cooled before cut in desirable sizes demanded by customers from different part of India & abroad.

These cut glass are kept on a trolley & sent to packing floor by using lift, as packing section is located below on ground floor. Before packing, interleaving paper is used between two sheets of glass to avoid scratches. Now to warehouse department from where it is dispatched to the different part of India by trucks or railway wagon.

BRIEF ABOUT PROCESS OF FURNACE - 2

Production of Figured Glass is done by Roll-out process, it is very common process world wide. In Roll-out process molten glass is leaded through the clearance between two metallic rotating Rollers. Top Roll is plain one where bottom Roll is designed one, beautiful patterns are printed over it.

Here in IAG Co. Ltd. The process is little different in the sense that eight feet width Rollers are used with diameter around 400 mm or above. The greatest advantage of this Roll-out m/c is that high pull that is 220 M.Ts. / Day can be pulled, Six (6) feet width production can be made cutting size is accurately maintained due to computerized cutting, like done in Float process.

Manufacturing Process is same as other glass manufacturing process as far as upto melting of glass is concerned. Batch preparation is done in batch house, quality of Raw materials are monitored by our laboratory. Main constituents of Raw materials are (1) Silica Sand (2) Lime Stone (3) Dense Soda (4) Dolomite (5) Feldspar (6) Sodium Sulphate.

Raw materials are crushed, sieved and weighed as per requirement. It comes through conveyor belt to Mixer m/c. - 4.5 M.Ts. mixing is done. After mixing mixed batch comes to Furnace main bunker storage (50 Ts. Cap.). from here batch is transferred to overhead bunker of blanket feeder. Blanket feeder or batch feeder is attached to Furnace.

Furnace is Regenerative type, F. Oil fired with holding capacity of 700 M.Ts. Depth of molten glass is kept around 4 feet in furnace. Furnace is made of Refractory, divided into Melter, Neck Refiner, Regenerator, Canal & spout, in our furnace there is arrangement for 5 port firing.

Batch is fed into furnace with the help of two batch feeders. Speed of batch feeding is controlled by glass level controller fitted in Refiner.

Firing is done by F. Oil, for atomization of F. Oil compressed air is used, huck burners are used and flow of individual burners are controlled by auto controller. 20 minutes reversal cycle is there to save fuel, compressed air, secondary air, stack operation & F. Oil valve opening is all interlocked for safety purpose.

In melter maximum temp. is kept around 1555°C at this temp. batch completely melts. This molten glass then travels through Neck where it loses its temp. then comes to Refiner area, where refining is done, then it comes to canal, where L.P.G. firing is done to maintain glass temp. finally it comes to spout area here glass temp. comes down to 1020°C - 1030°C.

Roll-out m/c. is attached to spout area by the help of refractories called Lip tiles set and molten glass is rolled between the gap of Rollers metallic rollers are water cooled so glass shape (ribbon) starts flowing over Rollers.

Now this glass which is continuously coming through the gap of Rollers enters closed lehr and moves on lehr Rolls for annealing.

Closed lehr is enclosed furnace type here from bottom & L.P.G. firing is done by the help of burners to maintain temp. tube colling arrangement is there at the roof of lehr. Gradually we reduce the temp. of lehr it now enters open lehr where both top & bottom cooling done.

Speed of m/c. & lehr Rolls depend upon thickness of sheet what we are drawing lesser the thickness higher the speed in 3 mm about 600/nb/hr. speed of lehr Rolls are kept.

At cutting glass is cut over Rollers by the help of crosswise cutting m/c. It is computerized cutting as per requirement border of glass sheet is continuously cut.

From cutting glass travels on accelerated Rolls, where the gap of cut glass sheet increases.

Now sheets travel to slope conveyor and finally comes to packing floor. On unloading conveyor from unloading conveyor to Floating table. Here glass is tacked manually in packing boxes. Normal production time about 7 sheet of size 122 x 183 cm. of 3 mm comes in one minutes.

In packing glass is packed and transported to Warehouse or loading point by the help of Fork Lift.

Shil

Introduction of new Technology:

Continuous price hike in furnace oil as well as other petrochemicals, the management is going to introduce producer gas firing in Furnace-2 Plant. For this installation of 3 imported gas producers from China is going on. By introduction of these Gas Producers we will be able to replace 38 KL/Day furnace oil from Grade B or C Coal on an average consumption of 130 Ts./Day.

Extension of 4' Roll-out m/c. from same furnace:

At present they have 6' Roll-out m/c. with single line, now parallel 4' Roll-out m/c. another line, we are introducing by this we can produce 90 Ts./Day production in addition to 170 M.Ts./Day production, total will 260 Ts./Day which will help us in reducing production cost. Man power can be better utilized, which will increase productivity.

REGISTRATIONS :

Registration from Govt. of Jharkhand,
Factory License No.: 1500/IIBG

SANCTIONED LOAD :

2 MW by J.S.E.B.

PLANT CAPACITY :

Furnace I -- 80 MT per day
Furnace II -- 260 MT per day

CRITERIA OF VALUATION :

The valuation of the property is done

1. After physical inspection of the locality, and local enquiry of present rate where the property, under valuation, is located.
2. Cost of land includes all expenditures occurred during transferring the Sale deed and filling/leveling the land.
3. Local recent cost of materials used for construction.
4. Invoice values of installed machineries and installation cost.

DEPRECIATIONS :

Different items of the property in question, have different period of life, so I adopt different rate of depreciations for these items :

1. Land- land have no depreciation value.
2. Civil construction- As building are constructed at different periods So, I presume flat depreciation 25% on all civil work.
3. Depreciated values of Machineries are considered.

RESIDUAL LIFE OF MACHINERIES :

As the Plant is old but some renovation work are under process. So, in my opinion, if proper maintenance work would be continued in future, residual life of machineries would be 20 yrs. approx.

Spul

DETAIL OF PROPERTY OF WHICH VALUATION IS BEING DONE :

1. Land :

Detail mentioned in forgoing.

2. Civil construction :

A. Details of Buildings/Shades Inside Plant

Sl. No.	Name of Building	Plinth Area of Building (M2)
1	Batch House	2462
2	Sand Screening Plant	100
3	Sand Godown	2120
4	Dolomite Godown	30
5	Cullet Shed	200
6	Engineering Store	190
7	Boiler House	360
8	Gas Producer	300
9	Power House No. 1	332
10	Engineering Workshop	584
11	Centring Shed	120
12	Debi Clay Shed	150
13	Debi Room	750
14	Engineering Godown	220
15	Engineering Repairing Shed	60
16	Sheet Glass Factory Buildign	10000
17	Water Filter Shed	42
18	Frosting Shed	84
19	Motor Garage	110
20	Refractory Shed No. 1	860
21	Refractory Shed No. 2	400
22	Wooden Box Shed	770
23	H.S.D. Pump Room	24
24	General Stores	600
25	Hardware Stores	27
26	Cash Office RCC	50
27	Administrative Buildign (Double Storey) RCC	540x2
28	Canteen	450
29	Cement Godown	160
30	Box Making Shop	2275
31	Laboratory	240
32	Coal Shed	260
33	Engineering Office RCC	185
34	Ware House Office RCC	140
35	Power House No. 2	420
36	Compressor Room	345
37	Sheet / Figured Glass Fy	11400
38	Bonded Store Room (W.H.)	3136
39	Pump House No. 1	25
40	Pump House No. 2	25

B. Details of Buildings Outside Plant

S. N.	Type of Buildings	Nos.	Area (In sq. Ft.)	Total Area (In Sq. ft.)
1	A Type	2	1566	3132
2	B Type	11	1321	14531
3	B2 Type	4	1001	4004
4	B3 Type	8	1008	8064
5	C Type	12	1068	12816



7. D Type	20	600	12000
8. D2 Type	4	540	2160
9. E Type	48	746	35808
10. F Type	16	361	5776
11. G Type	17	456	7752
12. H Type	176	437	76912
13. H1 Type	96	504	48384
14. I Type	91	238	21658
15. J Type	10	200	2000
16. K Type	28	266	7448
17. L Type	40	270	10800
18. Guest House	1	1980	1980
19. T.P. Bungalow	1	1980	1980
20. Bungalow No. 1	1	2438	2438
21. Bungalow No. 2	1	2438	2438
22. IAG Club	1	2060	2060
Total			289973

3. Plant & Machineries :

I. DETAILS OF MACHINERIES AND ITS USAGE FOR FIRST FURNACE

A. MELTING UNIT

1. A.R.V. (Air reversing valve)
2. A.C. Panel (L/S, R/S)
3. Arch cooling fan L/Side R/Side
4. Aux. Arch Cooling fan L/Side R/Side
5. Blanket feeder #1, #2, #3
6. Chimney (150')
7. Forced fan 30 HP (#1, #2)
8. Furnace pressure recorder
9. GRV (Gas reversing valve)
10. Glass level controller
11. Gas pressure recorder
12. Man cooling fan #1, #2
13. Melting batch hoist #1, #2
14. Melting blower #1, #2, #3-Nicosia, #4
15. Melting brick cutting m/c.
16. Melting cullet charger #1, #2
17. Cullet (lu.p) crusher #1, #2
18. Melting glass pond pump 5 HP, 3 HP, #2 3 HP #3 HP #4 3 HP.
19. Portable conveyor
20. Stack damper
21. Tank furnace (regenerative type)

To change the direction of air from left to right vice-versa cycle 20 minutes.
 For instruments.
 For cooling of crown skews
 Spark fan for cooling crown skews.
 Two batten feeders are continuously feeding into furnace, one feeder is kept as spark. Speed batch feeding controlled by signal of glass lever.
 For waste gas emission.
 For combustion air.
 It continuously records the pressure inside the furnace.
 To change the direction of producer gas for firing direction change in furnace.
 It monitor the level of glass inside furnace it given signal to blanket feeder batch feeding is controlled by it.
 It records the gas pressure inside the gas pipe line.
 For cooling of man as and when required.
 It is to lift batch trellises to batch bin.
 For port gulley it is in operation during furnace checking, & hot repair.
 For different size brick cutting for repair.
 This cullet charger is only used during cold repair, (cullet is send into furnace with force with the help of air pressure)
 To crush lump cullet.
 To remove water.

To transport material like cullet, batch.
 Its fitted in opening file is controlled to get desired furnace pressure inside furnace.
 Holding capacity 840 MH Different type of refractories are used in different furnaces.

22. Water treatment plant
23. Tank fan 30 HP
24. Tank fan #1, #2, #3, 75 HP each
25. Batch trollies-20 Nos. 1 fan cap. Each.
26. Welding transformer #1, #2
27. Instruments for melting.
Thermocouples & Cables for F1 & F2

B. DRAWING UNIT

1. A/Process supporting Shaft-16 Nos.
2. Air blower 7.5 HP
3. Asahi process blower 12.5 HP
4. Asahi process blower 20 HP #1, #2
5. Asahi process blower 5 HP #1, #2
6. Asahi process debi kiln #1, #2, #3, #4
7. Asbestos roller 7' (feet) 30 pcs.
8. Asbestos roller 6' (feet) 90 pcs.
9. Asahi process machine #2, #4
10. Fourcault's machines #1m #3, #5m #6
11. Cut of machine #1, #2, #3, #4, #5, #6
12. Debiteuse
13. Disintegrator
14. Edge runner m/c
15. Grinding machine debi room
16. Debi room magnet
17. Portable conveyor #1, #2
18. Debi room screen conveyor
19. Drawing cullet hopper #1, #2, -cap. 30 each.
20. Drawing high speed blower 15 HP
21. Drawing high speed blower #1, #2, #3, 20 HP each.
22. Edge stabilizer drawing m/c. #1, #2, #3, #4
23. Edge stabilizer drawing m/c. #1, #2, #3, #4, (2 set each)
24. Class cooling fan of cut off m/c. #1, #2, #3, #4, #5, #6
25. LPG line & equipment (for drawing)
26. Man cooling fan #1, #2
27. Welding transformer

C. INSPECTION ROOM

1. Projector
2. Reflector
3. Zebra Board
4. Oz meter (optical zal)

D. FURNACE OIL SUPPLY UNIT

1. Day oil storage tank for 4-F-1
2. Oil Pump #1, 5HP, #2, 5HP
3. Oil Pump #3, 3 HP.
4. Oil Pump #4
5. Oil storage tank
6. Oil storage tank

To get soft water for diesel generators.
For side wall cooling.
For side wall cooling.
Mixed batch is kept in these trollies to meet emergency, when conveyor transportation fails.
For welding.
For measuring/recoding Temps.

To support Asahi block which floats over molten glass.
For debi Kiln #1

Kiln for Asahi Block.
For asahi process machines.
For fourcoult machines.
Vertical draw machines in these machines asahi blocks are used instead of debiteuse. It is continuous draw machine.
Vertical draw machines molten glass in form of sheet comes through debiteuse asahi for roller are used.
Glass sheet of desired length is cut when sheet touches the simit switch cutting device moves up with same speed of sheet glass while cutting.

To grind stone & clay for asahi & debiteuse block making.
To remove free iron from clay.
To transport stones & clay to disintegrator or grinding machine.
To transport fire clay.
To store cullet before transportation in to batch house by truck.

It detects the ball (edge) of sheet glass coming out of edge stabilizer.
It stabilizer the border of sheet glass.

To cool glass sheet after cutting by cut off m/c. cooling is required for border (edge) cutting of sheet glass.
Different type of gas burners are used in pit to maintain tem. A sheet and m/c. pit area.
It is used for cooling of men.
For drawing 1 T.F.

To distinguish defects in sheet glass.
To see image of sheet to find defects.
To check waviness (defect) in sheet.
This also to check defect in glass.

Capacity
For decantation & supply in furnace 1.
-do-
-do-
Cap. 18 KL for F1
Cap. 20 KL for F1

Signature

E. CUTTING UNIT

- | | |
|---|--|
| 1. Lift 2 Nos. | To lift empty glass trollies and descend loaded trollies to packing floor. |
| 2. Cutting Machine Nos. 1,2,3,4,5,6,7 | To cut sheet glass of different sizes. |
| 3. Glass cooling fan for cutting machine Nos. 1,2,3,4,5,6 & 7 | To cool glass sheet. |
| 4. Hand cutting table | To cut chipped glass in smaller size. |
| 5. Man cooling fan 20 HP | To cool men. |
| 6. Man cooling fan 40 HP | To cool men. |
| 7. Pit pump 3 HP | To drain rain water below lift. |
| 8. Lifting trollies | For sheet glass transportation. |
| 9. Vacuum machine for asahi process | To hold bigger sheet glass by vacuum chuck. |
| 10. Vacuum pump #2, 5HP | To generate vacuum in vacuum chuck. |
| 11. Vacuum pump No. 1, 7.5 HP | -do- |
| 12. Vacuum pump No. 3, 7.5 HP | -do- |

F. PACKING & BOX MAKING UNIT:

- | | |
|---|--|
| 1. Glass Edge Grinding Machine | To grind edge of glass. |
| 2. Flexo-Film packing arrangement with Rubberised Rollers | Flexo Film packing is done manually by Rolling Sheet over Rolls. |
| 3. Blower 5 HP | To remove Dust. |
| 4. Circular Saw Machine - 6 Nos. | To cut wooden planks of different sizes. |
| 5. Grinding Machine at Box Making | For grinding. |
| 6. Frosting machine | To frost sheet glass. |

G. COAL TRANSPORT UNIT

- | | |
|-------------------------------|-------------------------------------|
| 1. Coal Bunker-No. 4 | For Gas Produce Plant. |
| 2. Coal Bunker No. 2 | For Thermax Boiler. |
| 3. Coal Conveyor-2 Nos. | For Gas Producer Plant. |
| 4. Coal Conveyor | For Thermax Boiler. |
| 5. Coal Crusher | To make coal in rubble. |
| 6. Coal Elevator | For Thermax Boiler. |
| 7. Coal Screen | To remove dust & Smaller size coal. |
| 8. Coal yard Pit pi.P | To remove ran water |
| 9. Hard Coke Disintegrator | To break hard coke in smaller size. |
| 10. Hard Coke Disintegrator | To disintegrate coke. |
| 11. Pay Loader-Escorts-4 Nos. | To feed coal in coal bunker. |
| 12. Portable Conveyor-2 Nos. | To Transport coal |

II. DETAILS OF MACHINERIES AND ITS USAGE FOR SECOND FURNACE

A. MELTING UNIT

- | | |
|--|--|
| 1. Air Reversing Valve (ARV) | For ejection of Waste Gas through Chimney. |
| 2. Atomise Air Reversing Valves-2 Nos. | Used for Furnace Oil-Atomise Fuel. |
| 3. Atomise Air Controller | Control the Volume of Air |
| 4. Arch Cooling Fan (Left & Right) | Cooling of Arches |
| 5. Aux. Arch Cooling Fan (3 Nos.) | Spare Fans for cooling of arches. |
| 6. Batch Conveyor #7 | For transporting form batch main bunker to overhed bunkers. |
| 7. Blanket feeder-3 Nos | To feed batch in to feeders. |
| 8. F. Oil Controller | For Controlling of Furnace Oil |
| 9. F. Oil Reversing Valve (L & R) | To control flow of F. Oil |
| 10. Furnace pressure Controller | To control inside furnace pressure. |
| 11. Glass level controller | To control level of molten glass inside the furnace. |
| 12. Melting Reversing Panel | To change the direction of firing inside the furnace. |
| 13. Purge Air Reversing Valve. | To keep cool burner tip. |
| 14. Secondary Air Valve (L & R) | Combustion Air is send to furnace. |
| 15. Salex Drier | It reduces the moisture content in compressed air. |
| 16. Tank furnace | It is enclosed place made of different type of refractory holding capacity 70 M.T. |
| 17. Blower 5 HP (4 Nos.) | Cooling Purpose. |

19. Electrical Distribution Board-DB-05, 06, 11, 12 Power Distribution.

20. High Speed Blower (20 HP)

For additional Secondary Air for Combustion
-do-

21. High Speed Blower (30 HP)

For Man Cooling.

22. Man Cooling Fan -3 Nos.

23. Melting hse-2Nos.

24. F. Oil Heater (2 Nos)

To heat F. Oil

25. Melting Pit Pump -2 Nos.

To lift overflow water to main reservoir.

26. Stirrer M/c Panel (2 Nos.)

To mix molten glass.

27. Tan Fan 75 HP (4 Nos.)

28. Slack Damper

29. Burners, Flexible Pipes (11auck)

30. Welding Transformer-2 Nos.

Welding

31. Brick Cutting Machine

For Brick cutting.

B. DRAWING UNIT

1. Roll-out m/c. - 6' (2 Nos.)

It is the main machine.

2. Turn table (2 Nos.)

Turn table are attached with rail.

3. Machine control Panel. (For both machine & Lehr Speed control)

It is D.C. motor operated -Motor is connected with two variator #1, & #2

4. Variator #2 & #1

It is Gear operated 1 Variator increase or decreases speed of Machine & Lehr in same ratio.

5. Lehr auxiliary Drive

Lehr drive is operated on DC, whereas auxiliary drive is on AC.

6. Air cylinder

For Compressed air, Excess moisture in compressed air is drained out as water.

7. LPG burners, Kaseru burners Yado burners.

For Canal & Spout are heating.

8. Lehr burner (Ventury Type)

For closed Lehr heating.

9. Circulating Oil Pump

For lubrication in motor, it is always kept in continuous operation.

10. LPG Dilutor (2 Nos.)

Filtered air is mixed with LPG in a Missing chamber.

11. Roots blower (2 Nos.)

It is high pressure blower, its air is used for.

12. P. Cooling blower #1, #2, #3

Its air is used for canal burners and spout burners firing some amount of air is used for roller cooling.

13. Man cooling fan #1

It is used for cooling the operator who watches the m/c. from top of the deck continuously.

14. Lehr exhaust fan #1, #2, #3, #4 7.5 hp
7.5 hp. 40 hp 40 hp.

Used for the exhaust of hot air from Lehr chamber, form different zones of Lehr.

15. Lehr force fan #1, #2, #3, #4

Used for cooling glass ribbon in open Lehr form top & bottom both side.

16. Lehr auxiliary panel

Operating panel of Lehr auxiliary drive.

17. Test equipments

One clutch and gear with 7.5 hp motor for testing of m/c. and cooling of rollers.

18. Glass auto cutting device #1, #2

Used for cutting glass as per specification.

19. Computer cutting m/c. panel with led
screep display #1, #2

Senses glass speed through MPG send signal to cross cutting device as the size FED in computer.

20. DB for cutting control panel (UPS
facility)

UPS power backup is available.

21. Lift (T.Ts. Capacity)

22. Accelerator conveyor

23. Conveyor control panel

24. MPG-1, MPG-2

Glass transporting rubber coated rollers.
Controls speed of conveyor rollers.

Measure (senses) speed of glass ribbon & send signal to control panel.

25. Sheering Mc

Used only during wire glass production for edge breaking.

26. Slope conveyor

Transporting glass on to floating table.

27. Unloading conveyor

Transporting glass on to floating table.

28. UPS-25 KVA

29. Hoist #1 = 1 Ts.

Hoist #2 = 2 Ts.

For tilting conveyor.

For main roll transportation.



C. FLOATING TABLES (PACKING) UNIT

1. Floating table
Glass floats over it with the help of air which comes through the perforations of table, easy packing.
For providing air to floating table.
2. Air blower #1, #2, #3
Used for box strapping.
3. Compressor #1, #2, #3
For transporting packed boxes.
4. Godrej Fork Lift #1, #2, #3, #4
Transporting of boxes and stacking.
5. Hoist #1, #2, #3, #4
For nailing boxes.
6. Nailing m/c 2 Nos.
For strapping boxes.
7. Strapping m/c. No. 2
For keeping glass sheets of different sizes of hand cutting.
8. Trolley 50 (AAP)
For cutting glass manually.
9. Manual cutting table 3 #
For cullet.
10. Cullet bin (2 Nos.)
To frost one side of sheet glass, with the help of river sand.
11. Frosting machine (2 Nos.)

D. INDUSTRIAL WATER SUPPLY UNIT

1. 75' (feet) over head tank
To supply water around furnace and drawing area to different machineries & equipments.
To bring down water tank.
2. Cooling tower (Pharpur)
From water pump water is taken into cooling tower.
3. Lift-Pump for cooling tower
To filter industrial water.
4. Filtration plant
Overflow of molten glass is done during machine charge with the help of high pressure water so that we can get sintered glass. That water is collected in the overflow pit. Finally it is send back to main water pond with the help of over flow pump.
5. Overflow pump #1, #2
By ion-exchange method we get soft water from this plant, (to stop scale formation).
Return water is collected in this pond to maintain water level. Additional water is added form near by Ladi pond to IAG Dam (upper & lower dam).
6. Water softening plant
To lift water to overhead tank.
7. Water pond
To enhance water pressure up to 4 kg./cm2 mainly for roll-out machine rollers.
8. Water lifting pump #1, #2, #3 -40 HP each.
9. Booster pump (2 Nos.)

E. COMPRESSED AIR SUPPLY:

1. Compressor #1, #2, #3, #4 120 HP, bottom
For compressed air supply to 2 T.F.
2. DB-03
Distribution board for compressor.
- F. oil Supply
1. F. Oil storage tank 840 Kl-cap. #1, #2
To store F. Oil steam coil heating away mint is there used especially in winter season.
2. F. Oil service tank #1, #2 cap 10 Kl.
For 2 T.F.
3. Oil pump #1, #2, #3, 7.5 HP each
One is used for decanting & other one is used for supply to furnace.
4. F. oil Pipe lines, with steam pipe jacket & return line.
For Supply & decantation.
5. Storage oil pump #1, #2, #3, (50 HP each)
For decantation & supply 2 T.F.



III. DETAILS OF MACHINERIES AND ITS USAGE COMMON FOR FIRST & SECOND FURNACES

S. N.	Description	Usage
A. BATCH HOUSE		
1	Cullet Bucket Elevator #1, #2	To elevate cullet from platform to cullet bin #1 and #2, each capacity 50 MTs.
2	Cullet Conveyor #1, #2	To load cullet from bin to batch mixing machine (Mixer)
3	Cullet Crusher #1, #2	To crush lump cullet of size approx. 1"
4	Cullet TR-NMEL (Cullet washing M/c) at Batch House -1 and At RM Yard-2 Nos.	Cleaning of cullet with the help of water.
5	Cullet weighing M/c #1, #2	Weighing of Cullet before Batch Mixing.
6	Dolomite Bucket Elevator #1, #2	For dolomite loading in the bin.
7	Dolomite Crusher	To crush dolomite lump.
8	Dolomite Pulverisor	
9	Dolomite Screw Conveyor #1, #2	For loading dolomite
10	Dolomite synton	For grain size distribution
11	Dolomite weighing M/c.	For weighing dolomite before batch mixing.
12	Dust Fan # 1-60 HP, #2-15 HP	For blowing dust.
13	Dust Collector	To collect Dust
14	Exhaust Fan 5 Nos.	To through out dust form batch house building.
15	Batch conveyor #1	Moving to Mixer
16	Batch Conveyor #2, #3, #4	After mixing of batch, it is used to transport to main junction point.
17	Batch Conveyor #5, #6	For Furnace one and two used for batch transportation.
18	Batch Conveyor #7	For transportation of F2 Batch from Storage Bunker to Service Bunker.
19	PIT Pump #1, #2	For cullet washing & Overhead Tank supply.
20	Feldsper Bucket Elevator #1, #2	For loading Feldsper in bin.
21	Feldsper Crusher	For Feldsper Lump Crushing.
22	Feldsper Pulverisor	
23	Feldsper Crew Conveyor #1, #2	For loading Feldsper
24	Feldsper Synton	For grain size distribution
25	Feldsper Weighing M/c.	Weighing before batch mixing.
26	Lime Stone Bucket Elevator #1, #2	For loading lime stone in bin.
27	Lime stone crusher	For crushing lump lime stone.
28	Lime stone Pulveisor	
29	Lime Stone Screw Conveyor #1, #2	For loading lime stone
30	Lime Stone Synton	For grain size distribution
31	Lime Stone Weighting M/c	For weighing limestone before batch mixing.
32	Batch Mixing M/c #1-1.5 Tn, #2-3 Tn, #3-4Tn, #4-4 Tn.	For mixing of Batch
33	RM Conveyor #1	For Transportation of Raw Materials
34	Rocl Phosphate Weighing M/c	Weighing
35	Sodium Sulphate Weighing M/c.	Weighing
36	Sodium Sulphate Mixer M/c.	Mixing Carbon before pouring it on RM Conveyor.
37	Sand Conveyor-5 Nos.	Transporting.
38	Sand Screen - 4 Nos.	To screen sand-oversize & fines are separated in this screen.
39	Sand Elevator -2 Nos.	Transporting Sand over screen.
40	Sand Weighing Machine - 2 Nos.	Weighing of Silica Sand.
41	Soda Ash Screw Conveyor-2Nos.	Transport Soda Ash up to Soda Ash Been.
42	Soda Ash Bucket Elevator - 2Nos.	To transport Soda Ash
43	Soda Crusher	To crush lump Soda Ash
44	Soda Trominal	To Screen Soda Ash
45	Soda Weighing Machine-2 Nos.	To weigh Soda Ash.

B. BOILER (STEAM SUPPLY) UNIT

1.	Lancashire Boiler Feed Pump	To feed water in boiler.
2.	Lancashire Boiler I D fan	For better combustion
3.	Boiler Man C/Fan-2 Nos.	For Cooling Workers.
4.	Lancashire Boiler Steam F/Pump-2 Nos	To fuel water.



- | | |
|---|---|
| 5. Softening Plant for boilers. | To get soft water to avoid chocking of pipes & tubes. |
| 6. Lancashire Boiler-3Nos. | To generate steam |
| 7. Thermax Boiler Dust Catcher | To catch dust. |
| 8. Thermax Boiler FD Fan-2Nos. | For better combustion |
| 9. Thermax Boiler ID Fan -2Nos | For better combustion. |
| 10. Thermax Boiler Level Controller-2Nos. | To control water level |
| 11. Thermax boiler S/Feeder -2Nos | To feed coal in Boiler |
| 12. Thermax boiler water feed pump-2 Nos. | To feed water in boiler |
| 13. Thermax boiler water pre heater | To pre heat water before entering boiler. |

C. WATER SUPPLY (DOMESTIC & INDUSTRIAL) UNIT

- | | |
|--|--|
| 1. Water filter plant | To filter water |
| 2. Drinking water NCDC Pump-1 No. | To raise water to overhead tank. |
| 3. Drinking water Pump-3 Nos. | -do- |
| 4. Fire fighting pump-10 HP | To extinguish fire. |
| 5. Ladi D.G. Engine Pump -2 Nos. | To lift water from Ladi Pond. |
| 6. Ladi Pump house | Near Ladi Pond |
| 7. Ladi Pump -2 Nos. | To lift water from Ladi Pond. |
| 8. Lower dam D.G. Engine Pump | Fitted in lower dam |
| 9. Lower dam D.G. Set 20 KVA | To generate power for pumps |
| 10. Lower dam Pump 15 HP- 2 Nos. | To lift lower dam water. |
| 11. Overhead water for drinking water. | To supply water in factory premises & Co's quarters. |
| 12. Underground water tank | To Store water from wells and NCDC supply. |
| 13. Vertical shaft pumps for well - 1,6,7,8 &9 | To lift water. |

D. POWER HOUSE UNIT

- | | |
|---|---------------------------------------|
| 1. 110 Volt Battery Bank- No. 1 | For Furnace 1 (DC supply) |
| 2. 110 Volt Battery Bank- No. 2 | For Furnace 1 (DC supply) |
| 3. 1200 KVA Transformer | To download 33 KVA supply for PTPS. |
| 4. D.G. Spray Pump - 6 Nos. | To cool D.G. supply water (all 15 HP) |
| 5. 180 KVA DG Set | |
| 6. 220 Volt Battery Bank - 2 Nos. | For 2 T.F. Power supply DC. |
| 7. 310 KVA DG Set | |
| 8. 320 KVA DG Set | |
| 9. 33 KV Sub Station | |
| 10. 265 KVA DG Set. | |
| 11. 380 KVA DG Set. | |
| 12. 500 KVA DG Set. | |
| 13. 500 KVA DG Set. (Volvo) | |
| 14. 600 KVA DG Transformer - 2 Nos. | |
| 15. 750 KVA DG Set. | |
| 16. Capacitor Bank - 2 Nos. | For 1 T.F. |
| 17. Capacitor Bank - 2 Nos. | For 2 T.F. |
| 18. Cooling Tower for DG Pond Water | To cool DG water supply. |
| 19. DB-1 (Distribution Board) | For 2 T.F. |
| 20. DB-02 | For 2 T.F. |
| 21. DB of 1 T.F. Power House | For Power distribution. |
| 22. DB of 600 KVA Transformer - 2 Nos. | |
| 23. DB of 1200 KVA Transformer | For Diesel generator oil supply. |
| 24. DG Diesel Oil Pump-2 Nos. | DC Supply for Rollers Movement |
| 25. M.G. Set - No. 1 of 2 T.F. 220 Volt | -do- |
| 26. MG Set of 2 of 2 T.F. 110/220 Volt | DC Supply for Machine Rollers. |
| 27. MG Set of 1 T.F. 110 Volt | For 2 T.F. |
| 28. Rectifier-3 Nos. | For 1 T.F. |
| 29. Rectifier-2 Nos. | Soft water to be supplied for DG set. |
| 30. Softening Plant for Pond water | |

E. WAREHOUSE & TRANSPORT. RMS.

1. Electronic Weighbridge - 40 Tn. Cap.
2. Mechanical Weighbridge-40 Tons
3. Dumper

Weighing of Raw Materials & Finished goods.

-do-
For cullet transportation



4. Godrej Fork Lift-2 Nos.
5. Hoist 3 Tns. - 4 Nos.
6. Pit Pump-2 Nos.
7. Hoist - 3 Tns. - 2 Nos.
8. Petrol Pump

For loading & transporting.
At loading bay point 2 T.F.
For draining out rain water at loading point
At loading bay point F1
To supply petrol

F. ENGINEERING WORK SHOP

1. Ammonia Printing Machine
2. Black Smith Furnace
3. Band Saw machine
4. Air Blower for black Smith
5. Air Blower
6. Circular Saw Machine - 6 Nos.
7. Drill Machine-3 Nos.
8. Grinding Machine
9. Hacksaw machine
10. Hydraulic Machine
11. Lathe Machine-5 Nos.
12. Man Cooling blower - 2 Nos.
13. Milling machine
14. Plate bending machine
15. Roller pressing Machine- 2 Nos.
16. Shaping Machine
17. Welding Transformer-2 Nos.
18. Xerox machine
19. Telephone Exchange
20. Telephone line & set

For taking Ammonia Print at Draftsman office.
For heating iron.
For Log cutting.

For workshop
For log cutting.
For drilling.
To grind.
For cutting iron rod.
For lifting.
For Lathe work.
Workshop man cooling.
For grinding & crushing.
To bend plate.
To press asbestos disc in shaft.
To give shape to different things.
For workshop
For Photocopies
For internal telephone system.
About 80 sets of telephone works by internal telephone exchange.

G. LABORATORY:

1. Air bath
2. Bomb Calorimeter
3. Crusher
4. Distil water plant
5. Electric Heater
6. Electric photometer
7. Glass polishing machine
8. Electric Shaker
9. F. Oil Gauge
10. Kaw Crusher
11. Muffle Furnace small
12. Muffle Furnace Big
13. Round Furnace
14. Transformer - 2 Nos.
15. Gas Generator

To remove moisture from samples

To crush samples of raw materials.
To make solution & apparatus final cleaning.
For heating.
For measuring trace.
To Polish design glasses.
For determining Grain Size.
To determine density of furnace oil.
To Crush Pump.
To raise temp. upto 1200°C
To raise temp. upto 1400°C
To raise temp. upto 1600°C
To step down from 220 V to 110 V
It runs on Petrol, all burners run by it.



BREAK-UP COST OF PROPERTY :

1. Land 117.205 Acres

@Rs.10 lacs

Rs. 11,72,05,000.00

2. Civil work

A. Cost Of Buildings/Shades Inside Plant

Sl. No.	Name of Building	Plinth Area of Building (M2)	Rate Rs./M2	Value (Rs. In Lacs)
1	Batch House	2462	6800	167.42
2	Sand Screening Plant	100	6800	6.80
3	Sand Godown	2120	7500	159.00
4	Dolomite Godown	30	7500	2.25
5	Cullet Shed	200	6800	13.60
6	Engineering Store	190	5700	10.83
7	Boiler House	360	6800	24.48
8	Gas Producer	300	6800	20.40
9	Power House No. 1	332	6800	22.58
10	Engineering Workshop	684	6800	39.71
11	Centring Shed	120	5700	6.84
12	Debi Clay Shed	150	5700	8.55
13	Debi Room	750	5700	42.75
14	Engineering Godown	220	5700	12.54
15	Engineering Repairing Shed	60	5700	3.42
16	Sheet Glass Factory Buildign	10000	7500	750.00
17	Water Filter Shed	42	5700	2.39
18	Frosting Shed	84	5700	4.79
19	Motor Garage	110	5700	6.27
20	Refractory Shed No. 1	860	6800	58.48
21	Refractory Shed No. 2	400	6800	27.20
22	Wooden Box Shed	770	5700	43.89
23	H.S.D. Pump Room	24	5700	1.37
24	General Stores	600	5700	34.20
25	Hardware Stores	27	5700	1.53
26	Cash Office RCC	50	5700	2.85
27	Administrative Buildign (Double Storey) RCC	540x2	6800	73.44
28	Canteen	450	5700	25.65
29	Cement Godown	160	5700	9.12
30	Box Making Shop	2275	6800	154.70
31	Laboratory	240	5700	13.68
32	Coal Shed	260	5700	31.92
33	Engineering Office RCC	185	5700	10.55
34	Ware House Office RCC	140	5700	7.98
35	Power House No. 2	420	7500	31.50
36	Compressor Room	345	7500	25.88
37	Sheet / Figured Glass Fy	11400	7500	855.00
38	Bonded Store Room (W.H.)	3136	6800	213.25
39	Pump House No. 1	25	5700	1.42
40	Pump House No. 2	25	5700	1.42

Total 2929.65

Rs. 29,29,65,000.00

Less for depreciations @25% Rs. 7,32,41,250.00

Balance Rs. 21,97,23,750.00

B. Cost Of Buildings Outside Plant

S. N. Type of Buildings

- 1 A Type
- 2 B Type
- 3 B2 Type
- 4 B3 Type

Total Area (In Sq. ft.)

Value (Rs. In Lacs)

3132

14.09

14531

65.39

4004

18.02

2004

26.70

5	C Type	12816	57.67
6	C2 Type	5832	26.24
7	D Type	12000	54.00
8	D2 Type	2160	9.72
9	E Type	35808	161.14
10	F Type	5776	25.99
11	G Type	7752	34.88
12	H Type	76912	346.10
13	H1 Type	48384	217.73
14	I Type	21658	97.46
15	J Type	2000	9.00
16	K Type	7448	33.52
17	L Type	10800	48.60
18	Guest House	1980	8.91
19	T.P. Bungalow	1980	8.91
20	Bungalow No. 1	2438	10.97
21	Bungalow No. 2	2438	10.97
22	IAG Club	2060	9.27
	Grand Total	289973	1304.88

(Average rate of construction is considered @Rs.450/- per sq. ft.)

Rs.13,04,88,000.00
Less for depreciations @25% Rs. 3,26,22,000.00
Balance Rs. 9,78,66,000.00

2. Total Civil work Rs.21,97,23,750.00
A. Cost Of Buildings/Shades Inside Plant Rs. 9,78,66,000.00
B. Cost Of Buildings Outside Plant
TOTAL Rs.31,75,89,750.00

I. COST OF MACHINERIES FOR FIRST FURNACE

A. MELTING UNIT	1.00
1. A.R.V. (Air reversing valve)	2.00
2. A.C. Panel (L/S, R/S)	0.80
3. Arch cooling fan L/side R/Side	0.80
4. Aux. Arch Cooling fan L/Side R/Side	9.00
5. Blanket feeder #1, #2, #3	25.00
6. Chimney (150')	1.20
7. Forced fan 30 HP (#1,#2)	0.75
8. Furnace pressure recorder	10.00
9. GRV (Gas reversing valve)	10.00
10. Glass level controller	0.50
11. Gas pressure recorder	0.10
12. Man cooling fan #1,#2	1.00
13. Melting batch hoist #1, #2	1.00
14. Melting blower #1,#2,#3-Nicosia, #4	0.10
15. Melting brick cutting m/c.	0.50
16. Melting cullet charger #1, #2	9.00
17. Cullet (lu.p) crusher #1, #2	2.00
18. Melting glass pond pump 5 HP, 3 HP, #2 3 HP #3 HP #4 3 HP.	0.50
19. Portable conveyor	0.50
20. Stack damper	

22.	Water treatment plant	
23.	Tank fan 30 HP	12.00
24.	Tank fan #1, #2, #3, 75 HP each	1.50
25.	Batch trollies-20 Nos. 1 fan cap. Each.	7.50
26.	Welding transformer #1, #2	10.00
27.	Instruments for melting. Thermocouples & Cables for F1 & F2	1.00
		2.00
	Subtotal	1629.75

B. DRAWING UNIT

1.	A/Process supporting Shaft-16 Nos.	1.60
2.	Air blower 7.5 HP	0.75
3.	Asahi process blower 12.5 HP	1.25
4.	Asahi process blower 20 HP #1, #2	3.00
5.	Asahi process blower 5 HP #1, #2	0.50
6.	Asahi process debi kiln #1, #2, #3, #4	44.00
7.	Asbestos roller 7' (feet) 30 pcs.	3.00
8.	Asbestos roller 6' (feet) 90 pcs.	9.00
9.	Asahi process machine #2, #4	200.00
10.	Fourcault's machines #1m #3, #5m #6	400.00
11.	Cut of machine #1, #2, #3, #4, #5, #6	1.50
12.	Debiteuse	10.00
13.	Disintegrator	0.40
14.	Edge runner m/c	1.00
15.	Grinding machine debi room	1.00
16.	Debi room magnet	0.20
17.	Portable conveyor #1, #2	1.00
18.	Debi room screen conveyor	0.50
19.	Drawing cullet hopper #1, #2, -cap. 30 each.	5.00
20.	Drawing high speed blower 15 HP	0.70
21.	Drawing high speed blower #1, #2, #3, 20 HP each.	2.10
22.	Edge stabilizer drawing m/c. #1, #2, #3, #4	12.00
23.	Edge stabilizer drawing m/c. #1, #2, #3, #4, (2 set each)	8.00
24.	Class cooling fan of cut off m/c. #1, #2, #3, #4, #5, #6	0.60
25.	LPG line & equipment (for drawing)	5.00
26.	Man cooling fan #1, #2	0.20
27.	Welding transformer	0.70
	Subtotal	713.00

C. INSPECTION ROOM

1.	Projector	0.75
2.	Reflector	0.25
3.	Zebra Board	0.10
4.	Oz meter (optical zal)	1.00
	Subtotal	2.10

D. FURNACE OIL SUPPLY UNIT

1.	Day oil storage tank for 4-F-1	5.00
2.	Oil Pump #1, 5HP, #2, 5HP	0.50
3.	Oil Pump #3, 3 HP.	0.50
4.	Oil Pump #4	0.50
5.	Oil storage tank	20.00
6.	Oil storage tank	20.00
	Subtotal	46.50

E. CUTTING UNIT

1.	Lift 2 Nos.	30.00
2.	Cutting Machine Nos. 1,2,3,4,5,6,7	24.00
3.	Glass cooling fan for cutting machine Nos. 1,2,3,4,5,6 & 7	0.70
4.	Hand cutting table	0.10
5.	Man cooling fan 20 HP	0.20
6.	Man cooling fan 40 HP	0.40
7.	Pu pump 3 HP	0.10
8.	Lifting trollies	1.00
9.	Vacuum machine for asahi process	10.00
10.	Vacuum pump #2, 5HP	2.00
11.	Vacuum pump No. 1 7.5 HP	2.00

12. Vacuum pump No. 3, 7.5 HP

Subtotal 2.00
75.50

F. PACKING & BOX MAKING UNIT:

1. Glass Edge Grinding Machine
2. Flexo-Film packing arrangement with Rubberised Rollers
3. Blower 5 HP
4. Circular Saw Machine - 6 Nos.
5. Grinding Machine at Box Making
6. Frosting machine

Subtotal 10.65

G. COAL TRANSPORT UNIT

1. Coal Bunker-No. 4
2. Coal Bunker No. 2
3. Coal Conveyor-2 Nos.
4. Coal Conveyor
5. Coal Crusher
6. Coal Elevator
7. Coal Screen
8. Coal yard Pit pit
9. Hard Coal Disintegrator
10. Hard Coal Disintegrator
11. Pay Loader-Escorts-4 Nos.
12. Portable Conveyor-2 Nos.

Subtotal 74.00
TOTAL 2548.50

Rs.25,48,50,000.00

II. COST OF MACHINERIES FOR SECOND FURNACE

A. MELTING UNIT

1. Air Reversing Valve (ARV)
2. Atomise Air Reversing Valves-2 Nos.
3. Atomise Air Controller
4. Arch Cooling Fan (Left & Right)
5. Aux. Arch Cooling Fan (3 Nos.)
6. Batch Conveyor #7
7. Blanket feeder-3 Nos.
8. F. Oil Controller
9. F. Oil Reversing Valve (L & R)
10. Furnace pressure Controller
11. Glass level controller
12. Melting Reversing Panel
13. Purge Air Reversing Valve.
14. Secondary Air Valve (L & R)
15. Salex Drier
16. Tank furnace
17. Blower 5 HP (4 Nos.)
18. Chimney (150')
19. Electrical Distribution Board-DB-05, 06, 11, 12
20. High Speed Blower (20 HP)
21. High Speed Blower (30 HP)
22. Main Cooling Fan -3 Nos.
23. Melting hose-2Nos.
24. F. Oil Heater (2 Nos.)
25. Melting Pit Pump -2 Nos.
26. Stirrer M/c Panel (2 Nos.)
27. Tan Fan 75 HP (4 Nos.)
28. Stack Damper
29. Burners, Flexible Pipes (Hauk)
30. Welding Transformer-2 Nos.
31. Brick Cutting Machine

Subtotal

10.00
5.00
2.00
1.00
2.40
1.00
9.00
2.00
4.00
0.75
12.00
5.00
2.00
6.00
3.00
2500.00
0.40
25.00
6.00
0.40
0.40
0.15
1.00
0.20
2.00
1.00
6.00
0.50
1.00
1.20
0.30
2610.70

B. DRAWING UNIT

2.	Turn table (2 Nos.)	12.00
3.	Machine control Panel. (For both machine & Lehr Speed control)	2.00
4.	Variator #2 & #1	3.00
5.	Lehr auxiliary Drive	25.00
6.	Air cylinder	3.00
7.	LPG burners, Kaseru burners Yado burners.	0.20
8.	Lehr burner (Ventury Type)	3.00
9.	Circulating Oil Pump	1.00
10.	LPG Dilutor (2 Nos.)	25.00
11.	Roots blower (2 Nos.)	2.00
12.	P. Cooling blower #1, #2, #3	1.50
13.	Man cooling fan #1	0.05
14.	Lehr exhaust fan #1, #2, #3, #4 7.5 hp 7.5 hp. 40 hp 40 hp.	1.50
15.	Lehr force fan #1, #2, #3, #4	2.00
16.	Lehr auxiliary panel	1.00
17.	Test equipments	0.50
18.	Glass auto cutting device #1, #2	10.00
19.	Computer cutting m/c. panel with led screeep display #1, #2	8.00
20.	DB for cutting control panel (UPS facility)	10.00
21.	Lift (T.Ts. Capacity)	15.00
22.	Accelerator conveyor	5.00
23.	Conveyor control panel	2.00
24.	MPG-1, MPG-2	3.00
25.	Sheering Mc	0.50
26.	Slope conveyor	10.00
27.	Unloading conveyor	3.00
28.	UPS-25 KVA	2.00
29.	Hoist #1 = 1 Ts.	0.75
	Hoist #2 = 3 Ts.	1.00
	Subtotal	353.00

C. FLOATING TABLE (PACKING) UNIT

1.	Floating table	1.00
2.	Air blower #1, #2, #3	0.60
3.	Compressor #1, #2, #3	12.00
4.	Godrej Fork Lift #1, #2, #3, #4	40.00
5.	Hoist #1, #2, #3, #4	3.00
6.	Nailing m/c 2 Nos.	1.00
7.	Strapping m/c. No. 2	0.20
8.	Trolley 50 (AAP)	3.50
9.	Manual cutting table 3 #	0.20
10.	Cullet bin (2 Nos.)	4.00
11.	Frosting machine (2 Nos.)	16.00
	Subtotal	81.50

D. INDUSTRIAL WATER SUPPLY UNIT

1.	75' (feet) over head tank	15.00
2.	Cooling tower (Pharpur)	8.00
3.	Lift-Pump for cooling tower	0.50
4.	Filtration plant	0.50
5.	Overflow pump #1, #2	1.00
6.	Water softening plant	4.00
7.	Water pond	12.00
8.	Water lifting pump #1, #2, #3 -40 HP each.	1.50
9.	Booster pump (2 Nos.)	0.50
	Subtotal	43.00

E. COMPRESSED AIR SUPPLY UNIT

1.	Compressor #1, #2, #3, #4 120 HP, bottom	5.00
2.	DB-03	1.50
	Subtotal	6.50

F. FURNACE OIL SUPPLY UNIT

1.	F. Oil storage tank 840 Kl-cap. #1, #2	10.00
2.	F. Oil service tank #1, #2 cap 10 KL	40.00
3.	Oil pump #1, #2, #3, 7.5 HP each	3.00



4. F. oil Pipe lines, with steam pipe jacket & return line.	5.00
5. Storage oil pump #1, #2, #3, (50 HP each)	5.00
Subtotal	63.00
TOTAL	3157.70
	Rs.31,57,70,000.00

III. COST OF MACHINERIES COMMON FOR FIRST & SECOND FURNACES

A. BATCH HOUSE

1. Cullet Bucket Elevator #1, #2	6.1
2. Cullet Conveyor #1, #2	3.1
3. Cullet Crusher #1, #2	6.1
4. Cullet TR-NMEL (Cullet washing M/c) at Batch House -1 and At RM Yard-2 Nos.	1.
5. Cullet weighing M/c #1, #2	2.
6. Dolomite Bucket Elevator #1, #2	4.
7. Dolomite Crusher	3.
8. Dolomite Pulverisor	6.
9. Dolomite Screw Conveyor #1, #2	2.
10. Dolomite syntron	2.
11. Dolomite weighing M/c.	1.
12. Dust Fan # 1-60 HP, #2-15 HP	5
13. Dust Collector	15
14. Exhaust Fan 5 Nos.	0
15. Batch conveyor #1	0
16. Batch Conveyor #2, #3, #4	5
17. Batch Conveyor #5, #6	3
18. Batch Conveyor #7	1
19. PIT Pump #1, #2	1
20. Feldsper Bucket Elevator #1, #2	3
21. Feldsper Crusher	4
22. Feldsper Pulverisor	0
23. Feldsper Crew Conveyor #1, #2	2
24. Feldsper Syntron	0
25. Feldsper Weighing M/c.	0
26. Lime Stone Bucket Elevator #1, #2	0
27. Lime stone crusher	0
28. Lime stone Pulveisor	1
29. Lime Stone Screw Conveyor #1, #2	2
30. Lime Stone Syntron	
31. Lime Stone Weighing M/c	
32. Batch Mixing M/c #1-1.5 Tn, #2-3 Tn, #3-4Tn, #4-4 Tn.	
33. RM Conveyor #1	
34. Rock Phosphate Weighing M/c	
35. Sodium Sulphate Weighing M/c.	
36. Sodium Sulphate Mixer M/c.	
37. Sand Conveyor-5 Nos.	
38. Sand Screen - 4 Nos.	
39. Sand Elevator -2 Nos.	
40. Sand Weighing Machine - 2 Nos.	
41. Soda Ash Screw Conveyor-2Nos.	
42. Soda Ash Bucket Elevator - 2Nos.	
43. Soda Crusher	
44. Soda Trommal	
45. Soda Weighing Machine-2 Nos.	
Subtotal	11

B. BOILER (STEAM SUPPLY) UNIT

1. Lancashire Boiler Feed Pump
2. Lancashire Boiler 1 D fan
3. Boiler Man C/Fan-2 Nos.
4. Lancashire Boiler Steam F/Pump-2 Nos.
5. Softening Plant for boilers.
6. Lancashire Boiler-3Nos.



7. Thermax Boiler Dust Catcher
8. Thermax Boiler FD Fan-2Nos.
9. Thermax Boiler ID Fan -2Nos
10. Thermax Boiler Level Controller-2Nos.
11. Thermax boiler S/Feeder -2Nos
12. Thermax boiler water feed pump-2 Nos.
13. Thermax boiler water pre heater

C. WATER SUPPLY UNIT

Subtotal

1. Water filter plant
2. Drinking water NCDC Pump-1 No.
3. Drinking water Pump-3 Nos.
4. Fire fighting pump-10 HP
5. Ladi D.G. Engine Pump -2 Nos.
6. Ladi Pump house
7. Ladi Pump -2 Nos.
8. Lower dam D.G. Engine Pump
9. Lower dam D.G. Set 20 KVA
10. Lower dam Pump 15 HP- 2 Nos.
11. Overhead water for drinking water.
12. Underground water tank
13. Vertical shaft pumps for well - 1,6,7,8 &9

Subtotal

D. POWER HOUSE UNIT

1. 110 Volt Battery Bank- No. 1
2. 110 Volt Battery Bank- No. 2
3. 1200 KVA Transformer
4. D.G. Spray Pump - 6 Nos.
5. 180 KVA DG Set
6. 220 Volt Battery Bank - 2 Nos.
7. 310 KVA DG Set
8. 320 KVA DG Set
9. 33 KV Sub Station
10. 265 KVA DG Set.
11. 380 KVA DG Set.
12. 500 KVA DG Set.
13. 500 KVA DG Set. (Volvo)
14. 600 KVA DG Transformer - 2 Nos.
15. 750 KVA DG Set.
16. Capacitor Bank - 2 Nos.
17. Capacitor Bank - 2 Nos.
18. Cooling Tower for DG Pond Water
19. DB-1 (Distribution Board)
20. DB-02
21. DB of 1 T.F. Power House
22. DB of 600 KVA Transformer - 2 Nos.
23. DB of 1200 KVA Transformer
24. DG Diesel Oil Pump-2 Nos.
25. M.G. Set - No. 1 of 2 T.F. 220 Volt
26. MG Set of 2 of 2 T.F. 110/220 Volt
27. MG Set of 1 T.F. 110 Volt
28. Rectifier-3 Nos.
29. Rectifier-2 Nos.
30. Softening Plant for Pond water

Subtotal

253.1

E. WAREHOUSE UNIT

1. Electronic Weighbridge - 40 Tn. Cap.
2. Mechanical Weighbridge-10 Tons
3. Dumper
4. Godrej Fork Lift-2 Nos.
5. Hoist 3 Tns. - 4 Nos.
6. Pit Pump-2 Nos

40.00

5.00

24.00

2.80

0.50



8. Petrol Pump

F. ENGINEERING WORK SHOP

1. Ammonia Printing Machine	
2. Black Smith Furnace	
3. Band Saw machine	
4. Air Blower for black Smith	
5. Air Blower	
6. Circular Saw Machine - 6 Nos.	3.00
7. Drill Machine-3 Nos.	2.00
8. Grinding Machine	2.00
9. Hacksaw machine	0.50
10. Hydraulic Machine	0.50
11. Lathe Machine-5 Nos.	2.00
12. Man Cooling blower - 2 Nos.	0.75
13. Milling machine	0.15
14. Plate bending machine	0.25
15. Roller pressing Machine- 2 Nos.	0.40
16. Shaping Machine	45.00
17. Welding Transformer-2 Nos.	0.20
18. Xerox machine	5.00
19. Telephone Exchange	0.40
20. Telephone line & set	1.00
	4.00
	1.50
	4.00
	1.25
	1.75
	75.65

Subtotal

0.50
74.20

G. LABORATORY:

1. Air bath	
2. Bomb Calorimeter	
3. Crusher	
4. Distil water plant	0.10
5. Electric Heater	0.10
6. Electric photometer	0.05
7. Glass polishing machine	0.20
8. Electric Shaker	0.40
9. F. Oil Gauge	8.00
10. Kaw Crusher	0.30
11. Muffle Furnace small	0.50
12. Muffle Furnace Big	0.05
13. Round Furnace	0.10
14. Transformer - 2 Nos.	0.15
15. Gas Generator	0.20
	0.25
	5.00
	1.00
	16.40
	833.20

Subtotal

Subtotal
TOTAL

16.40
833.20

Rs.8,33,20,000.00

TOTAL COST OF MACHINERIES

Cost Of Machineries For First Furnace

Cost Of Machineries For Second Furnace

Cost Of Machineries Common For First & Second Furnaces

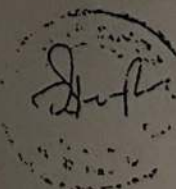
TOTAL

Rs.25,48,50,000.00

Rs.31,57,70,000.00

Rs. 8,33,20,000.00

Rs.65,39,40,000.00



ESTACT VALUE OF THE PROPERTY

1. Land 117.205 Acres
2. Replacement value of civil work
3. Machineries

Rs. 11,72,05,000.00
Rs. 31,75,89,750.00
Rs. 65,39,40,000.00
Rs. 108,87,24,750.00
Rs. 108,87,00,000/-

G. TOTAL

Which has been rounded off to

So, the 'Fair Market Value' of the property as calculated above is Rs. 108,87,00,000/-
Rupees one hundred eight crores eighty seven lacs) only.



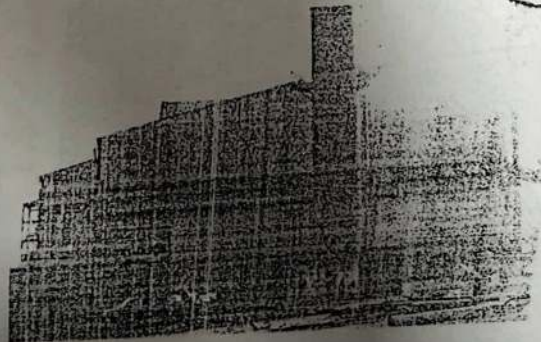
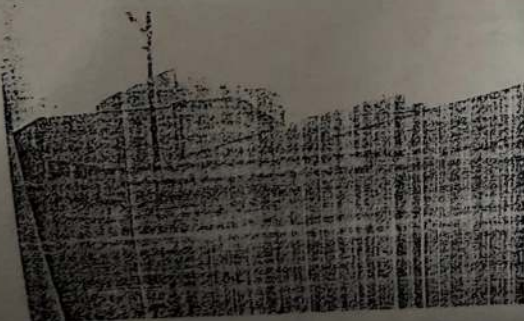
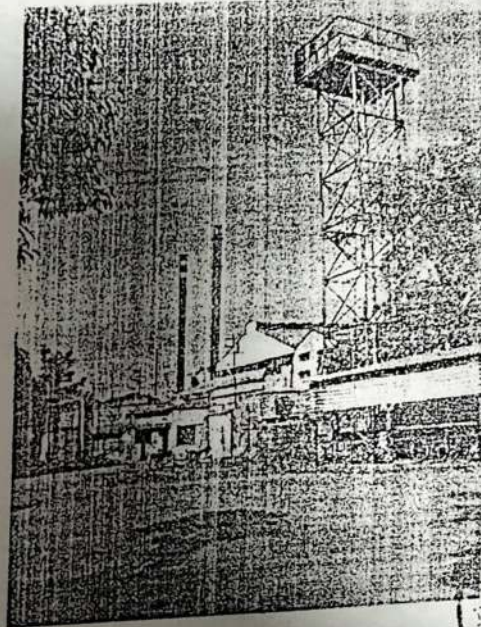
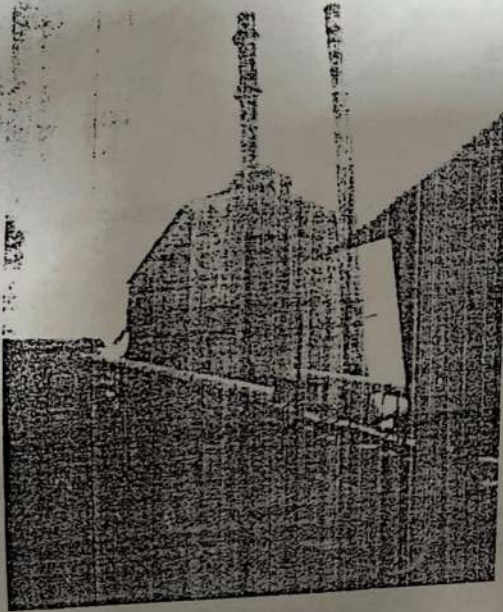
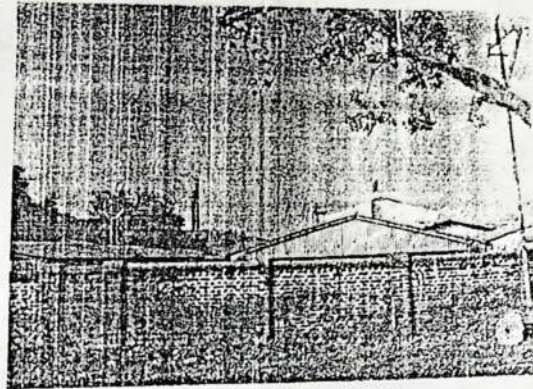
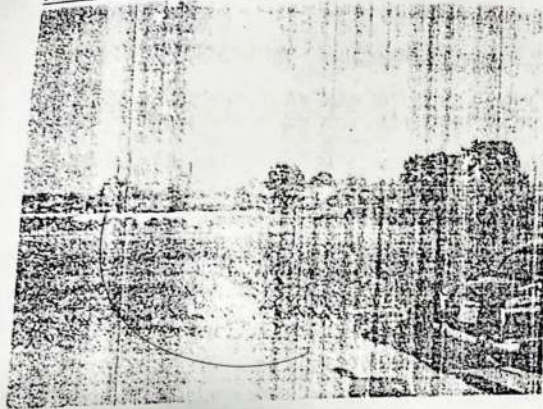
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32%

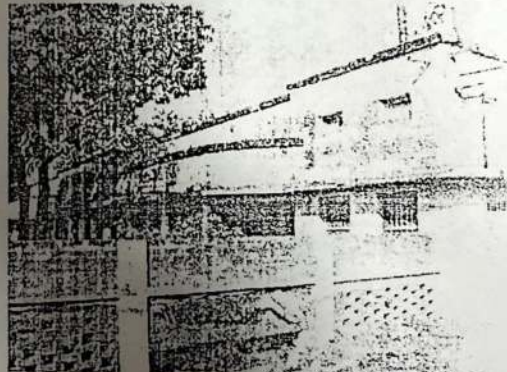
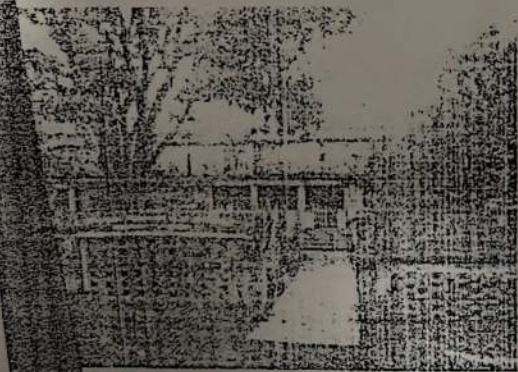
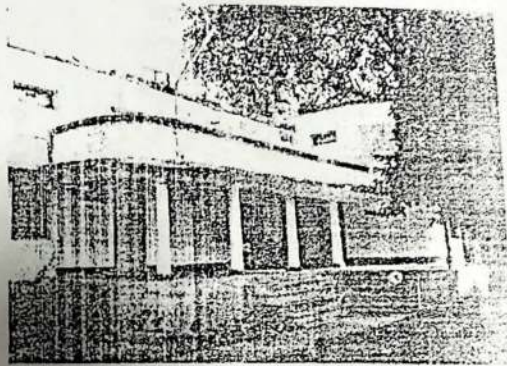
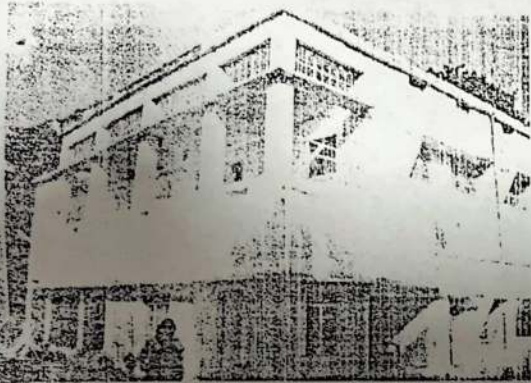
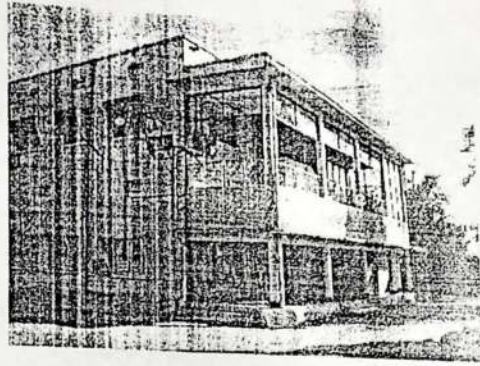
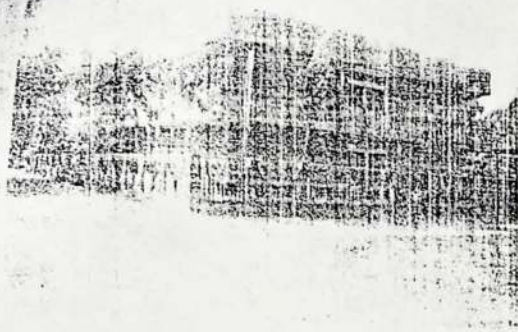
31.3.10 - 10 + 3 - 13
31.3.11 - 10
31.3.12 - 10

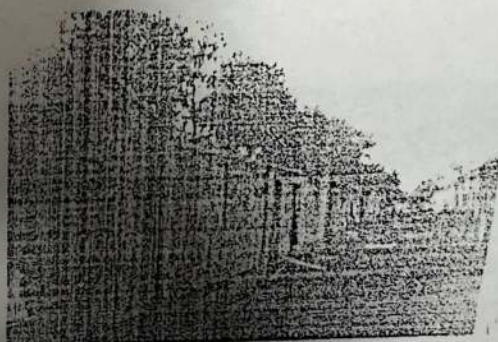
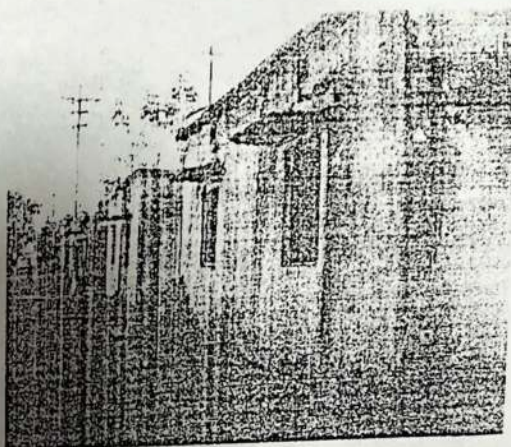
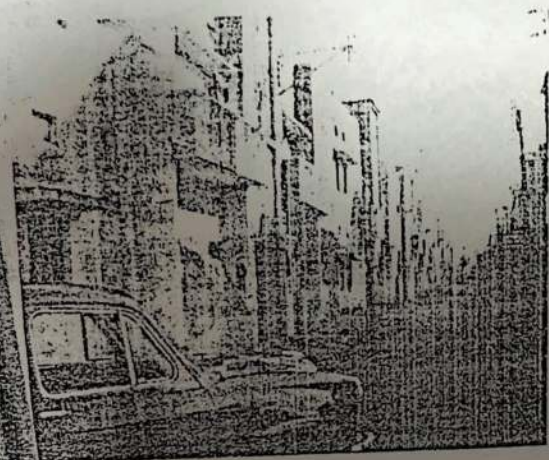
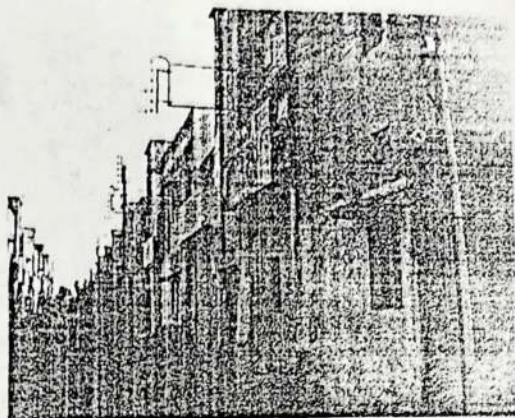
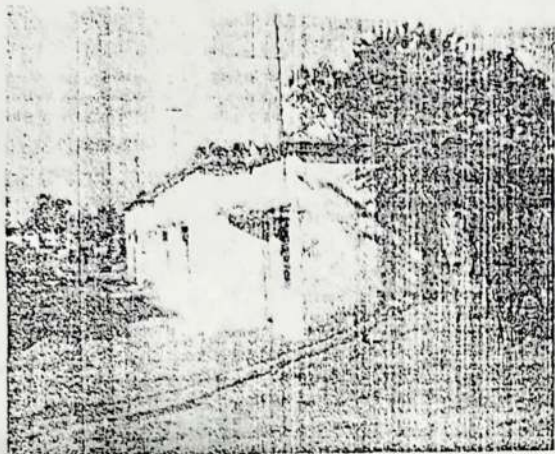
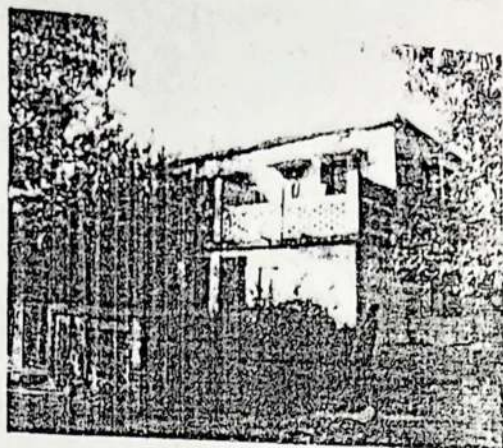
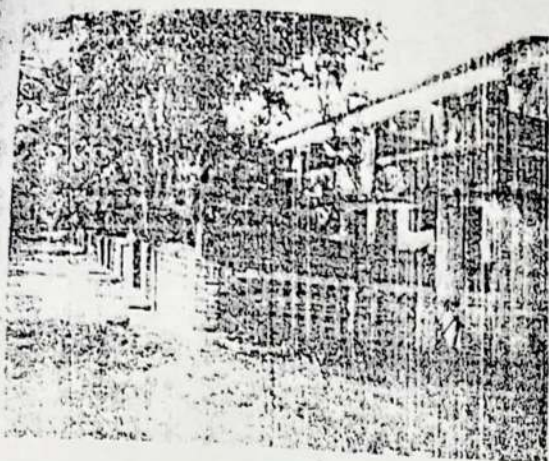
33% → 762
51

ANNEXURE
AERIAL PHOTOGRAPHS OF M.S. LAG. COMPANY LTD
ferent views of Plant

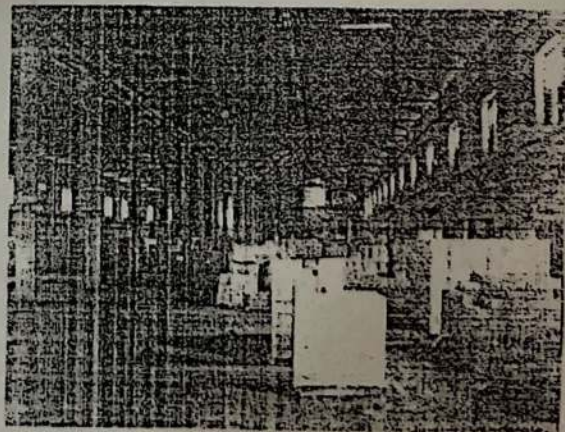
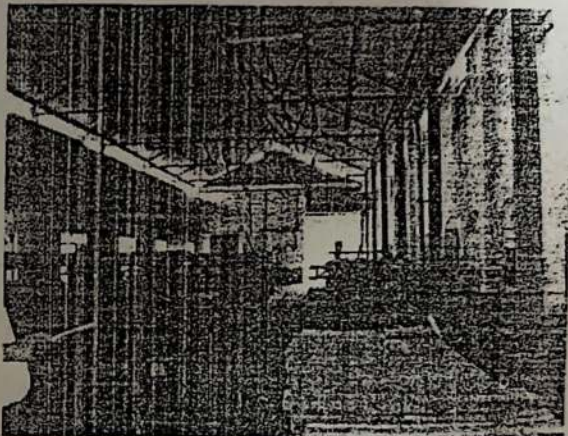
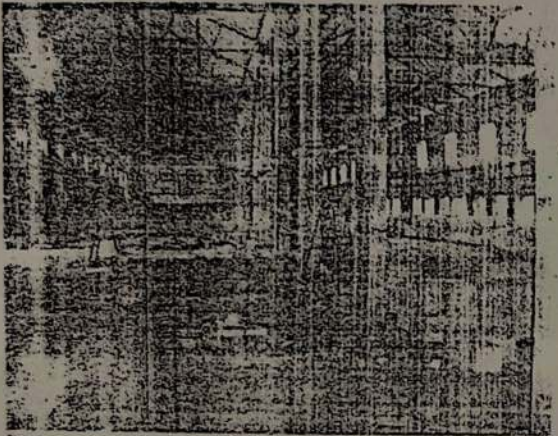
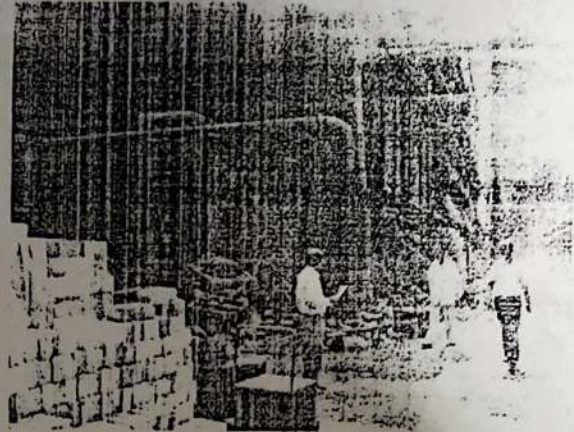
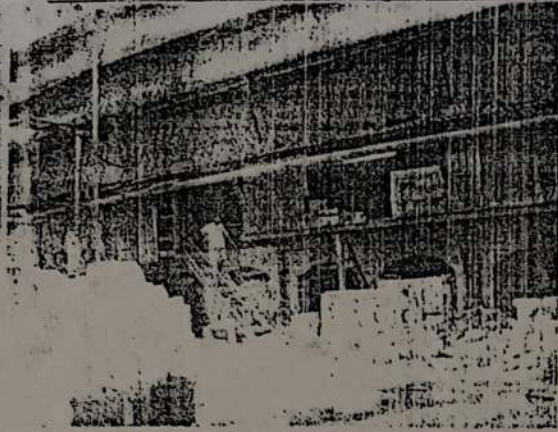


2. Administrative, Residential & Guest House buildings



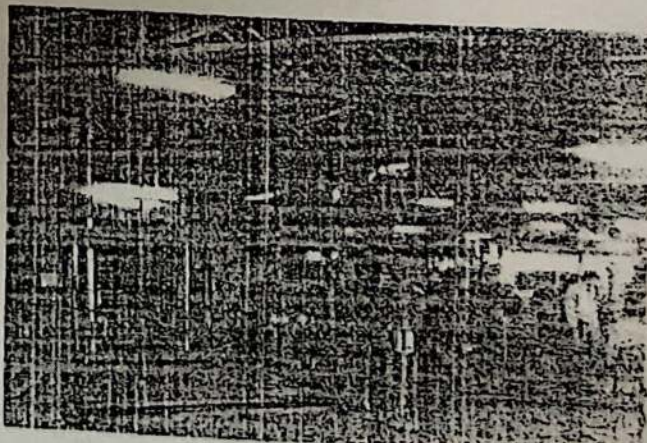
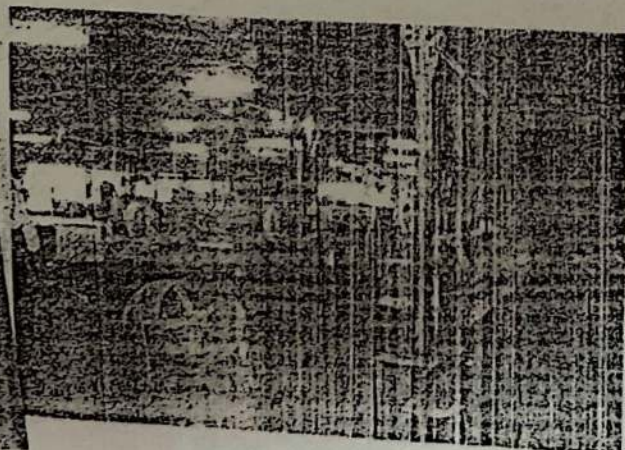
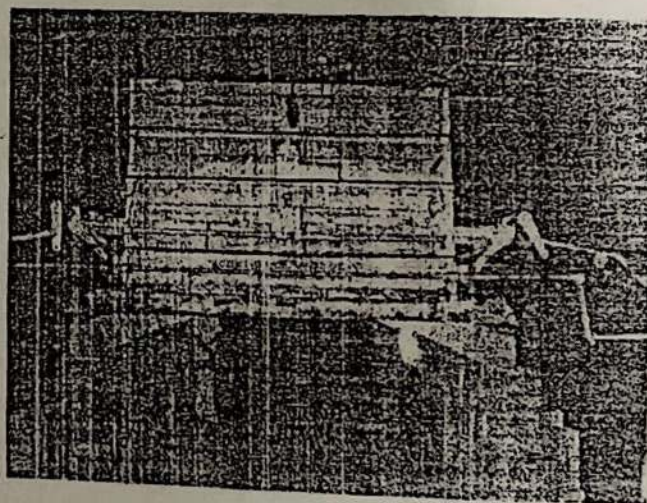
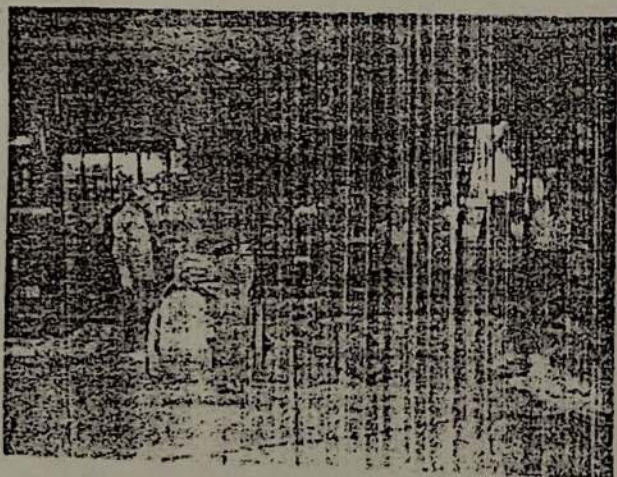
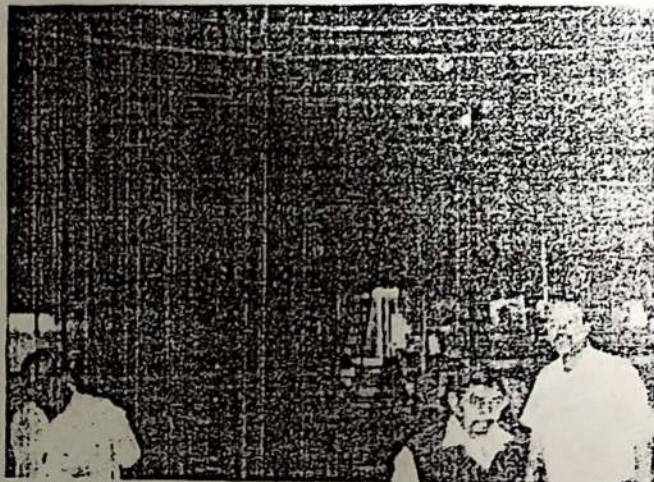
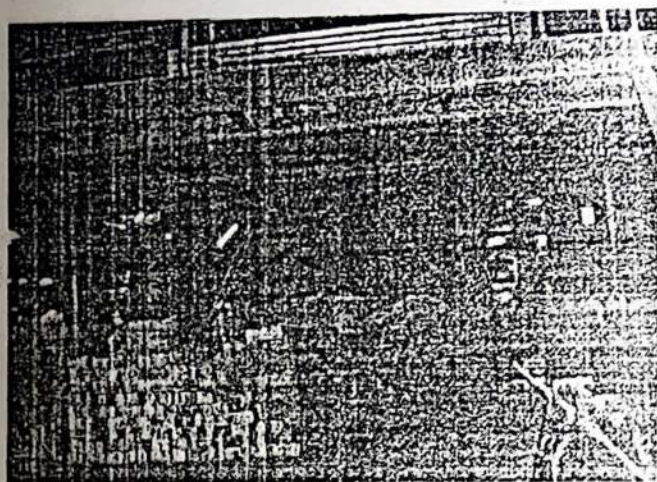
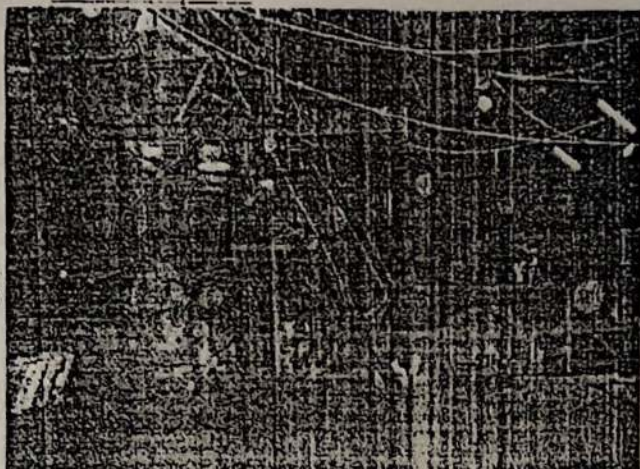


3. Different sheds and building for industry



Shed

4. Vertical plant



6. Common Units for both plants

