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KHYATI ENTERPRISES

CHARTERED ENGINEER, VALUER & CONSULTANT

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Fellow : Institution of Valuers (F:24300)

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UPDATED DETAILED PROJECT REPORT DATED JULY 30, 2024

FOR CONSTRUCTION OF PEB
MANUFACTURING UNIT, PURCHASE OF
PLANT & MACHINERY AND UTILITES FOR

CLIENT: INTERARCH BUILDING PRODUCTS LIMITED

(Formerly known as INTERARCH BUILDING PRODUCTS PVT LTD)

AT

Survey No.70 (4), 75(4), 76(1) AND 78(2)

Plot No.8-36 of Attivaram Village,

Ozili Mandal, APIIC Industrial Park,

Attivaram, Tirupati District,

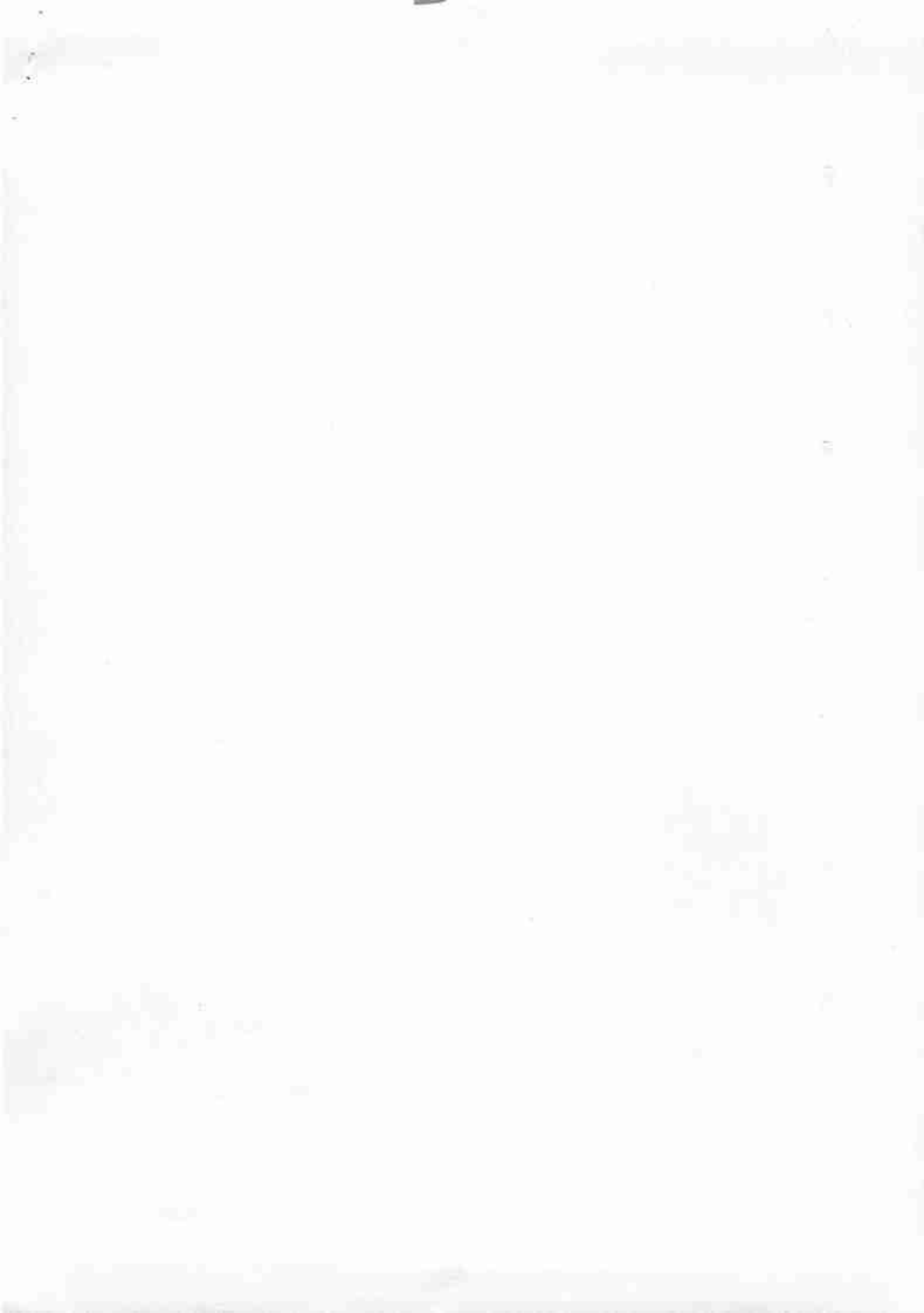
Andhra Pradesh-524421



INTERARCH BUILDING PRODUCTS LIMITED
B-30, Sector-57, Noida-201301, India

Tel : +91 120 4170200, CIN:U45201DL1983PLC017029, GST No.05AAAC0106J1ZY





1. ABOUT US

I Pradeep Kumar, Proprietor of Khyati Enterprises, having registered with IOV Registered Valuers Foundation, with certificate number IOVRV00262PM, valid Till March 31st, 2025. I am a qualified chartered engineer with membership no. M- 148599-1 from Institution of Engineers, India.

I have expertise in assessing the plant and machinery and building requirements for various industries. We have been assigned various assessment works including making and developing DPRs for the various industries in the past.

2. INTRODUCTION

INTERARCH BUILDING PRODUCTS LIMITED has acquired a piece of land on leasehold basis for a period of 33 years measuring approx. 40,470 sq. mtrs situated at Plot no. 8-36, Industrial Park, Attivaram, Attivaram Village, Ozili Mandal, Tirupati District, Andhra Pradesh, India ("Proposed Land") allotted to the Company by the Andhra Pradesh Industrial Infrastructure Corporation Limited ("APIIC") pursuant to final allotment letter dated May 3, 2023 and lease deed dated May 12, 2023 entered into between APIIC and the Company. The APIIC has allotted such industrial land to the Company for the purposes of manufacturing of pre-engineered steel buildings. The Proposed Land has been acquired for setting up of an PEB manufacturing plant to enhance their presence and existing capacity in south of India. Interarch already operates two plants for similar products in South India at Sriperumbudur, Tamil Nadu.

The Company has been developing the Proposed Land in a phase wise manner.

The Company is currently in the process of setting up Phase 1 spread over 15,470 sq. mtrs which would be commissioned in this Financial Year 2025. The Phase 1 consists of: (i) site development which includes land development and boundary work all around the plot, (ii) construction of manufacturing building of built-up area of 4800 sq. mtrs and paint storage building of built-up area of 300 sq. mtrs; (iii) Utilities such as underground water tank, substation, rainwater harvesting system, entry and exit gates with security guard room, underground sump, sewage treatment plant, complete works for electrical, plumbing and firefighting equipment. The road network to access and utilize phase 1 is included; and (iv) procurement of plant and machinery, pursuant to which the Company proposes to set up an automatic beam welding line (PTW), cold form roll forming line and built-up accessories line. All Plant and machinery for Phase 1 (except C & Z Roll Forming machine and one Cranes) have been received and installed and full and final consideration for all plant and machinery for Phase 1 have been paid to the respective vendors as per the terms of the purchase order. Layout of the Attivaram site is attached as Annexure 1 which shows the location of Phase 1, including the other ancillary facilities at the Proposed Land. The products to be manufactured as part of Phase 1 include PEB steel structures comprising complete PEBs, primary framing systems (consisting of built-up sections such as H-shaped structures and I-shaped structures), and secondary framing systems (consisting of built-up sections and accessories such as angles, bracings and galvanized cold formed C&Z sections made from galvanized coils). The capacity of the plant and machinery purchased by the Company pursuant to Phase 1 is estimated to be 20,000 MTPA.

The total Phase 1 capex is Rs. 266.10 Million (excluding cost of land which has already been leased from APIIC) and the break-up is as follows:



S. No.	Particular	Total Amount (in INR)	Amount in INR Million	Status of the work as on the date of this report
1	Site Development (including land development and construction of boundary wall)	20,000,000	20.00	Four sides boundary wall and land development has been completed
2	Building & Civil Works	150,200,000	150.20	Foundation work and sub-base for the main factory building has been completed. Pre-engineered building, complete steel structure has been completed and 100% roofing has been completed. Main gate, Road, Culvert, Under Ground sump and miscellaneous work such as Approach Road, Curb Stone, Partition Work and Toilet Block, Plastering and Plumbing are undergoing.
3	Utilities	36,000,000	36.00	The phase 1 consists of utilities such as underground water tank, Electric substation, rainwater harvesting system, underground sump, sewage treatment plant, complete work for electrical, plumbing and firefighting equipment and other utilities such as Fire Pump, Water Tank etc. All the above Utilities have been completed except for sewage Treatment Plant and underground sump, which are in advance completion stage.



Plant & Machinery	50,000,000	50,000,000	<p>All Plant and machinery (except C & Z Roll Forming machine and 1 Cranes) have been received and installed and full and final consideration for all plant and machinery have been paid to the respective vendors as per the terms of the purchase Order</p>
TOTAL	266,100,000	266,100,000	266.10



The total estimated expenditure of Phase 1 is Rs. 266.10 million (excluding the cost of land) and majority of which have been paid out of the internal accruals. The expenditure on Phase 1 is to be paid out in Financial Year 2025. The Company has confirmed that no IPO proceeds are proposed to be used for Phase 1.

Currently 25,000 sq mtrs of land is vacant at the Proposed Land which would be used to set up an additional manufacturing facility. The Company proposes to set up a new PEB Manufacturing Unit at the Proposed Land classified as Phase 2 ("Planned Andhra Pradesh Manufacturing Facility"). Phase 2 would consist of: (i) construction of a building (PEB manufacturing facility building comprising fabrication area, preparatory area, shot blasting area and office area), civil work and utilities such as electrical, plumbing and firefighting works) and, (ii) purchase of plant and machinery. The products to be manufactured as part of Phase 2 include (i) PEB steel structures products, comprising complete PEBs, primary framing systems (consisting of built-up sections such as H-shaped structures and I-shaped structures), and secondary framing systems (consisting of built-up sections and accessories such as angles, bracings and galvanized cold formed C&Z sections made from galvanized coils), and (ii) metal ceilings and corrugated roofing products comprising, corrugated roofing, metal roofing and cladding systems.

The manufacturing facility and office area will have a built up area of 14,000 sq. meters and roads etc. which would be spread across approx. 25,000 sq.mtrs on the Proposed Land. Annexure 1 clearly shows the location of Phase 2. The total cost of setting up Phase 2 would be Rs. 585.33 million which will be entirely funded out of the IPO proceeds.

The breakup for Phase 2 is as follows:

S. No.	Particular*	Amount in INR Million
1	Building, civil work and utilities	436.48
2	Purchase of Plant & Machinery	148.85
	Total	585.33

*Land development costs for the Proposed Land have been incurred as part of Phase 1 out of internal accruals.

This assessment (as further detailed in this report) is based upon:

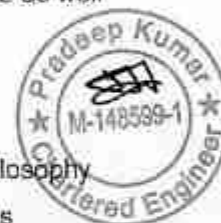
- Comprehensive list of plant & equipment, civil work etc required for setting up Phase 2 at the Proposed Land as per the proposed design;
- Cost of the above, based on valid quotations from vendors;
- The site layout of the Proposed Land and Phase 2, and
- Our assessment of requirements typical to a project of such nature.

While the manufacturing units to be set up under Phase 1 and Phase 2 at the Planned Andhra Pradesh Manufacturing Facility will be separate manufacturing units with independent and distinct production lines and capacities, certain utilities set up under Phase 1 at the Proposed Land are proposed to be utilized by the manufacturing unit to be set up under Phase 2 as well

2.1 Set-up of the document

The basic detail engineering has been Grouped as follows:

Basic considerations	: Starting points, underlying philosophy
Pre-requirements	: As imposed by external bodies
Functional requirements	: What the facility must provide
Operational requirements	: How the facility shall be designed and operated
Design philosophy	: Guideline of the design
Costing and scheduling	: Primary budget and schedule



2.2 Location and Site details

INTERARCH BUILDING PRODUCTS LIMITED (Formerly known as Interarch Building Products Pvt Ltd) has acquired the Proposed Land on leasehold basis for a period of 33 years measuring approx. 40,470 sq. mtrs allotted to the Company for the purposes of manufacturing of pre-engineered steel buildings by the APIIC having its registered office at Parishrama Bhavan, 4th Floor, 5-9-58/B, Fateh Maidan Road, Basheerbagh, Hyderabad-500004 as per provisional allotment letter No. Lr No.43240/APIIC/IP Attivaram/Pl. No.8-36/2023 dated 01.03.2023, final allotment letter No. Lr No.43240/APIIC/IP Attivaram/Pl. No.8-36/2023 dated 03.05.2023 vide Sy.No.70(4), 75(4), 76(1) & 78(2) of Attivaram (V) and lease deed dated May 12, 2023 entered into between APIIC and the Company for an amount of Rs. 6,52,78,110/- (which amount has already paid by the Company to the APIIC out of its internal accruals) with following boundaries:

North: Plot No.8/36-A

South: Plot No.9

East: Plot NO.8/35

West: 30.0m wide Road

TOTAL LAND (in sq. mtrs)	Land to be UTILIZED (in sq. mtrs)
40470	15,470 for Phase 1
	25,000 for Phase 2



3. EXECUTIVE SUMMARY

The Phase 1 development consists of land development of the Proposed Land which includes cleaning of vegetation and levelling of the land, boundary work all around the plot, construction of manufacturing building of built-up area of 4,800 sq. mtrs and paint storage building of built-up area of 300 sq. mtrs. which has been completed.

The phase 1 consists of utilities such as underground water tank, Electric substation, rainwater harvesting system, , underground sump, sewage treatment plant, complete work for electrical, plumbing and firefighting equipment and other utilities such as Fire Pump, Water Tank etc. All the above Utilities have been completed except for sewage Treatment Plant and under ground sump, Which are in advance completion stage. The road network to access and utilize is part of Phase 1 and being completed.

Four sides boundary wall and land development has been completed.

Foundation work and sub-base for the main factory building has been completed. Pre-engineered building, complete steel structure has been completed and 100% roofing has been completed. Main gate, Road, Culvert, underground sump and miscellaneous work are undergoing.

Utilities such as Transformer Room, Meter Room, Paint Storage Building have been completed and Other utilities such as Fire Pump, Water Tank are being installed.

All Plant and machinery except C & Z Roll Forming machine and 1 Crane have been received and installed and full and final consideration for all plant and machinery have been paid to the respective vendors as per the terms of the purchase order.

AP UNIT-PHASE I-CIVIL, ELECTRICAL, FPS & MACHINES UPDATE					
S.N	MACHINE NAME	QTY	PO NO	PO Date	PO Amount (Rs)
CIVIL & BOUNDARY WALL					
1	Boundary Wall (818 RMT)	1 Lot	4500001471	29.09.23	20000000
2	Civil	1 Lot	4500001485	17.10.23	99000000
3	Pre Engineered Building	1 lot	Internal consumption	Internal consumption	54830000
UTILITIES					
	ELECTRICAL WORK	1 Lot	4500001546	08.02.24	31100000
	FPS WORK	1 Lot	4500001519	09.01.24	4900000



PLANT AND MACHINERY					
1	PTW M/C	1	4500001480	06.10.23	11000000
2	CNC PLASMA WITH 14 FLAME CUTTING M/C	1	4500001516	05.01.24	2900000
3	SHEARING M/C 3200 MM	1	4500001499	24.11.23	4000000
4	CNC PRESS BRAKE 4.5 MTR	1	4500001500	24.11.23	5000000
5	C & Z ROLL FORMER (QUICK CHANGE)	1	4500001506	16.12.23	7659036
6	EOT CRANE 10MT (including DSL)	4	4500001503	18.12.23	10569238
7	EOT CRANE SMT (including DSL)	2	4500001503	18.12.23	
8	NITTO PUNCHER M/C 24 X 16	4	4500001526	16.01.24	1840000
9	BROACH CUTTER M/C	3	4500001526	16.01.24	318000
10	MIG WELDING M/C	15	4500001529	21.01.24	1410000
11	ARC WELDING M/C	4	4500001529	20.01.24	300000
12	AIR COMPRESSOR WITH STORAGE TANK	1	4500001540	05.02.24	1850000
13	THREAD ROLLING M/C	1	4500001532	29.01.24	770000
14	HYDRA 14 MT	1	4500001544	06.02.24	1721000
15	IRON WORKER	1			1400000
16	AG-5 GRINDER M/C	3	PO NO not generated due to SAP issue in 2410 plant		245000
17	AG-7 GRINDER M/C	15			
18	PENCIL GRINDER M/C	2			
19	CARRY OVEN	2			5600
20	CHOP SAW M/C	2			24000
21	PREHEATING OVEN	1			3300
22	POWER PRESS 100 MT	1			1100000
23	RADIAL DRILL M/C-65 MM	2			2242000
24	WEIGHBRIDGE-60 MT	1			1330000



25	MAGNETIC LIFTER- 2 MT (10 MAGNET)	1		745000
26	AIRLESS SPRAY M/C	2		280000
27	POWER AGITATOR	1		PRICE INCLUDED WITH AIRLESS SPRAY
28	MANUAL SHOT BLASTING M/C	1		128250
29	PROFILE CUTTING M/C	1		62500
30	PUG M/C	4		74928
31	MAGNETIC LIFTER- 1000 KG	2		128000
32	WEIGHT BRIDGE - 5 MT	1		106000
33	DG SET 160 KVA	1		1460000
34	DG SET 380 KVA	1		3420000

The breakup for Phase 2 is as follows:

S. No.	Particular	Amount in INR Million
1	Building, civil work and utilities	436.48
2	Purchase of plant & machinery	148.85
	Total	585.33

Land development costs for the Proposed Land have been incurred as part of Phase 1 out of internal accruals.

Plant & machinery is required to be procured for Phase 2 of the Manufacturing facility. The manufacturing facility and office area will be on a built up area of 14,000 sq. meters and roads etc. which would be spread across approx. 25,000 sq.mtrs on the Proposed Land. Various machines, cranes, hydraz & other machines.

3.1 Facility Design - The Planned Andhra Pradesh Manufacturing Facility shall consist of following areas for PEB manufacturing & Admin office for Phase 2.

- Preparation Area
- Fabrication Area
- Shot Blasting & Painting Area
- Office Area.



3.2 Facility Criteria

- Land development which includes boundary work all around the plot, construction of manufacturing

building of built-up area of 4800 sq. mtrs and paint storage building of built-up area of 300 sq. mtrs (as contemplated in Phase 1) has been completed.

- For Phase 2, an approximate built-up area of 14000 m² is proposed to be constructed.
- The Expansion i.e. Phase 2 will comply with local construction rules and regulation.

3.4 Assumptions

Assumptions for production unit (for Phase 2)

- PEB manufacturing unit for 40000 MT per annum capacity. It shall consist of following .
- 1. One Built-up line (i.e., line for manufacturing columns, rafters, beams, joints, etc. using three or more steel plates, etc. (consisting of built-up sections such as H-shaped structures and I-shaped structures) to form primary framing systems of complete PEBs) for 12,500 MT per annum capacity
- 2. One Box column line (i.e., line for manufacturing box sections (consisting of built-up sections such as H-shaped structures and I-shaped structures), etc. to form primary framing systems of complete PEBs) for 12,500 MT per annum capacity
- 3. One sheeting, CF & Accessories line (i.e., line for manufacturing galvanized cold formed C and Z shaped sections made from galvanized coils for secondary framing systems of complete PEBs (consisting of built-up sections and accessories such as angles, bracings, etc.) for 15,000 MT per annum capacity

Assumptions for other Facilities.

- Office area of 800 m² (G+1), total floor area 1600 m², plinth area 800 m².
- Utilities like entry/exit door gates with security guard room, substation, sewage treatment plant, substation, underground sump, underground water tank, rain water harvesting system and complete work for electrical, plumbing and firefighting system form part of Phase 1.

4. BASIC CONSIDERATION

4.1 Outline of project – Phase 2

Pursuant to Phase 2, the Company seeks to enhance its installed capacity of (i) PEB steel structures products, comprising complete PEBs, primary framing systems (consisting of built-up sections such as H-shaped structures and I-shaped structures), and secondary framing systems (consisting of built-up sections and accessories such as angles, bracings and galvanized cold formed C&Z sections made from galvanized coils), and (ii) metal ceilings and corrugated roofing products comprising, corrugated roofing, metal roofing and cladding systems. The aggregate capacity of the plant and machinery proposed to be purchased pursuant to Phase 2 is estimated to be 40,000 MTPA. The facility is divided in **Three** different sections.

Raw Material & Preparation Area (25mx122m long) consisting of

- Raw Material Storage Area
- One Plasma/oxyfuel cutting Machine & Seaming Area

Fabrication Bays (3 Bays):



- ✓ 1 Bay of 20mx120m for H Beams
- ✓ 1 Bay of 20mx120m for Box Beam Sections
- ✓ 1 Bay 20mx120m for CF & Sheeting Cold from operations.

Shot Blasting and Painting Area (25mx122mm)

- ✓ Shot blasting machine room with paint booth & oven
- ✓ FG storage & Loading area.

Office/Admin

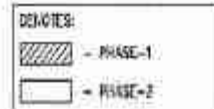
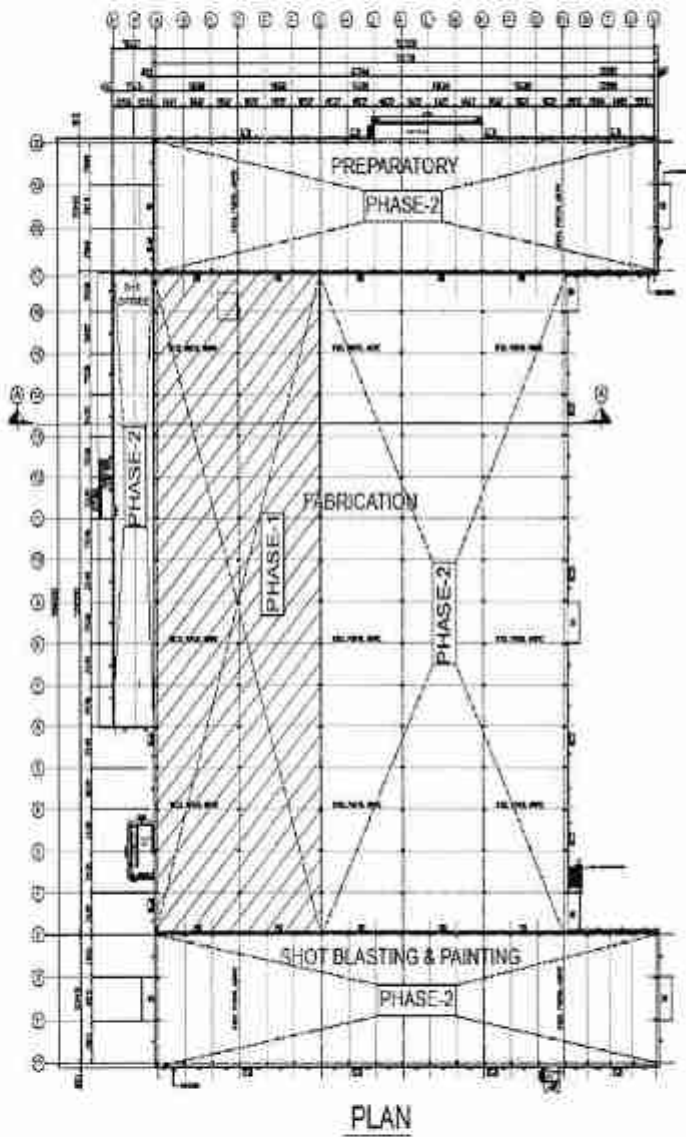
- ✓ Office area with G+1 floor (10mx80m), total floor area 1600 m2, plinth area 800 m2.



3.2 Layouts Attachments

ANNEXURE – 1

Key Plan



PLAN

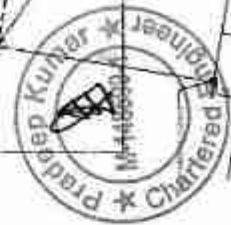
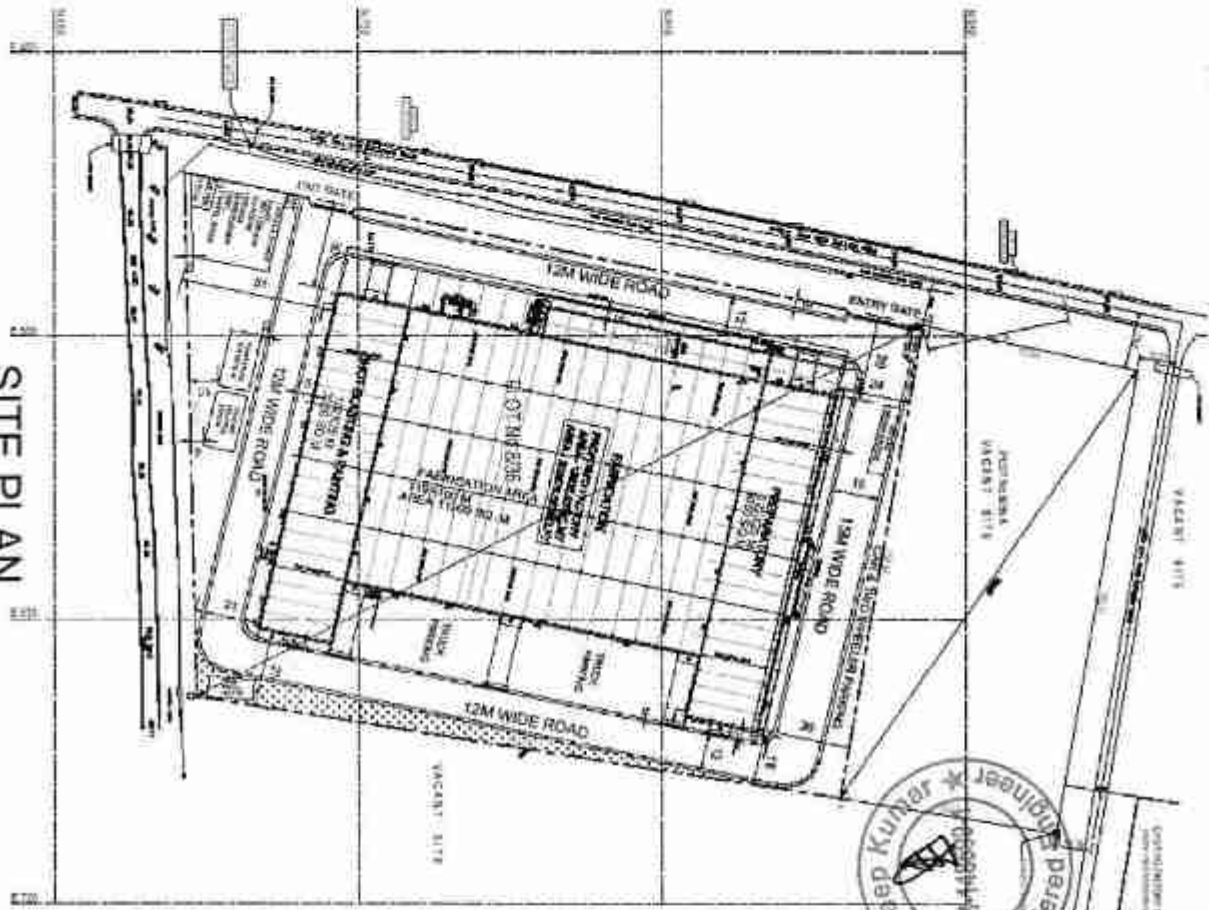
INTERARCH BUILDING PRODUCTS PVT. LTD.
 6-35, Sector 57, Noida 201301, (U.P.)
 Tel: 011-100-410000, Fax: 011-100-410017

Project:	INTERARCH BUILDING PRODUCT (P) LTD. APIC INDUSTRIAL PARK, ATTIVARAM FACTORY
Drawing Title:	PLAN

Drawn by:	Checked by:	Approved by:	Date:
TRABUNMR	RAMN	V. RAJAN	15.03.2014
Building No:		Fig No:	Scale:
1		1 OF 2	1:15
			Rev:
			R1

ANNEXURE – 2 Site Layout Plan

SITE PLAN



SCALE: 1:1000

GENERAL INFORMATION	
PROJECT NAME	...
CLIENT NAME	...
DATE OF PREPARED	...
DATE OF APPROVAL	...
PROJECT LOCATION	...
PROJECT AREA	...
PROJECT PERIOD	...
PROJECT BUDGET	...
PROJECT RISK	...
PROJECT STATUS	...
PROJECT PHASE	...
PROJECT TEAM	...
PROJECT CONTACT	...
PROJECT NOTES	...

QUALIFIER OF ARCHITECT

NAME: ...

REG. NO: ...

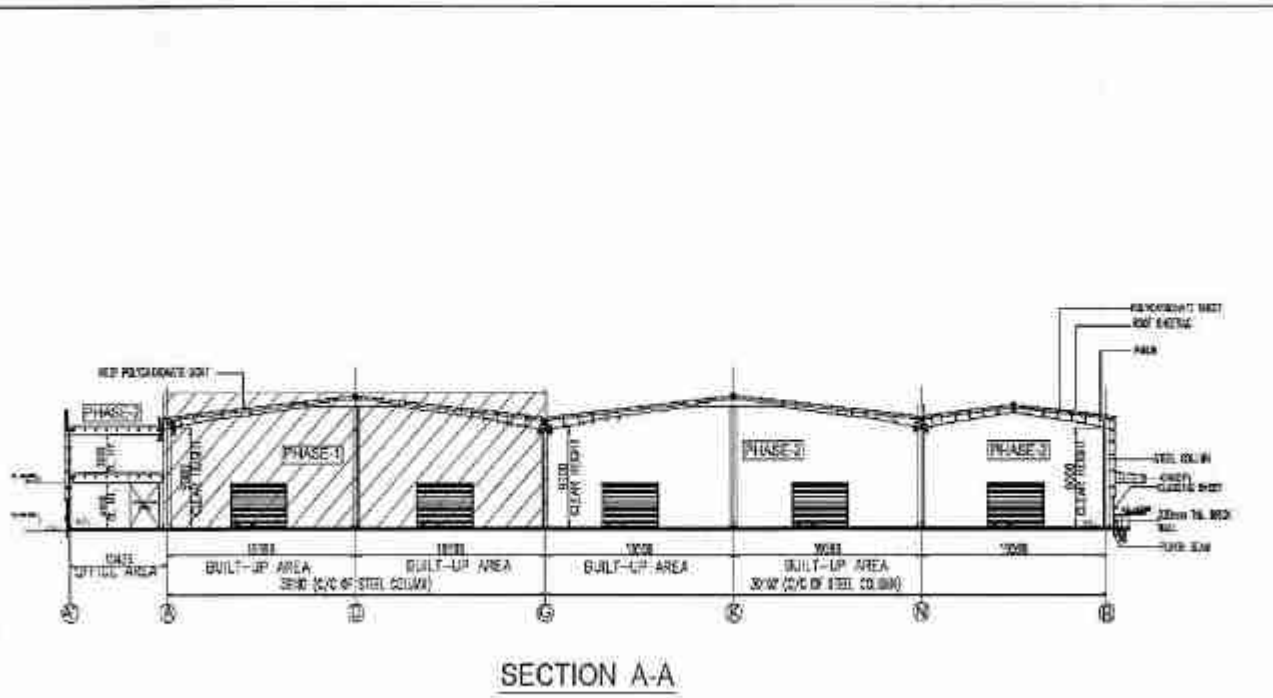
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ADDRESS: ...

CONTACT: ...

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ANNEXURE – 3 Section Details



SECTION A-A

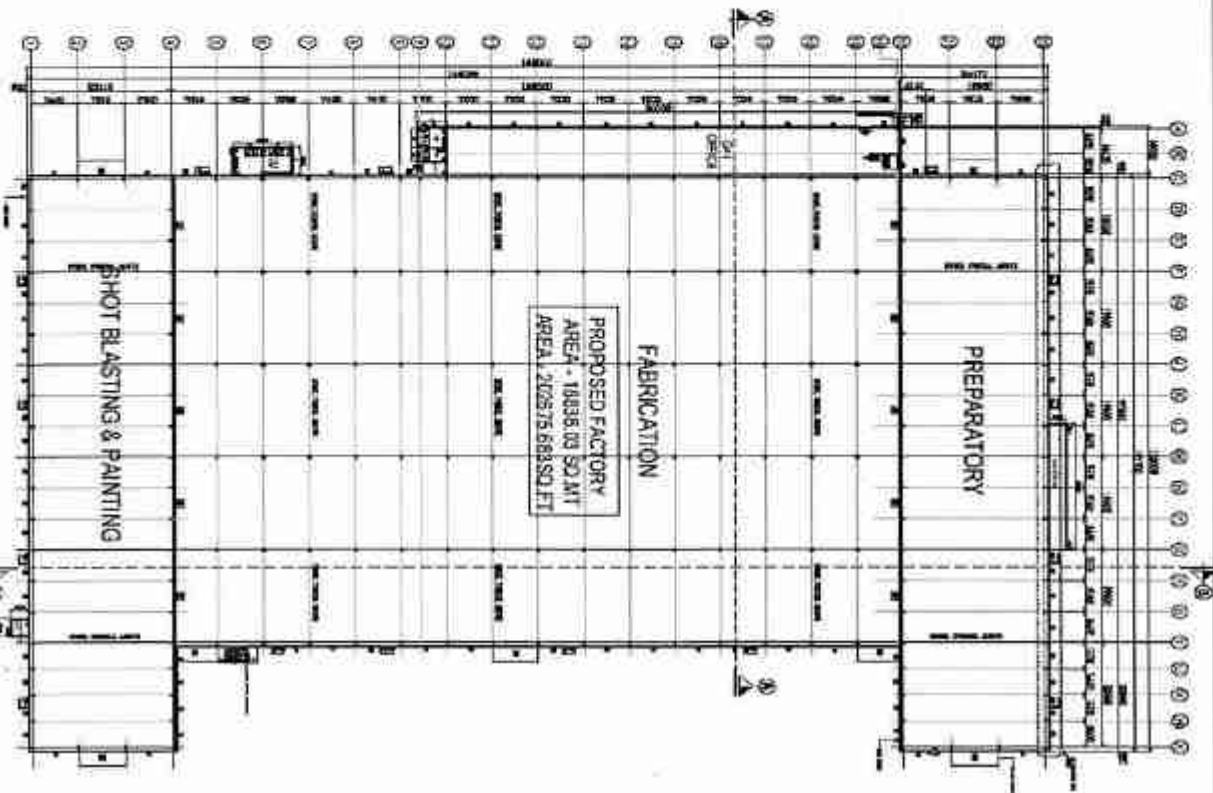
DENOTES:	
	- PHASE-1
	- PHASE-2

<p>INTERARCH BUILDING PRODUCTS PVT. LTD. 9-30, Sector 33, Gurgaon, Haryana (UP) Tel: 91-120-473888, Fax: 91-120-468107</p>	Project: INTERARCH BUILDING PRODUCTS (P) LTD. APJIC INDUSTRIAL PARK, ATTIVARAM FACTORY	Drawn by: TRAWELAN Checked by: RAMA Approved by: N. S. JAIN Date: 15.03.2014 Auto: N/A No.: R1
	Drawing Title: TYPICAL CROSS SECTION	Building No: 1 Page No: 2 of 2

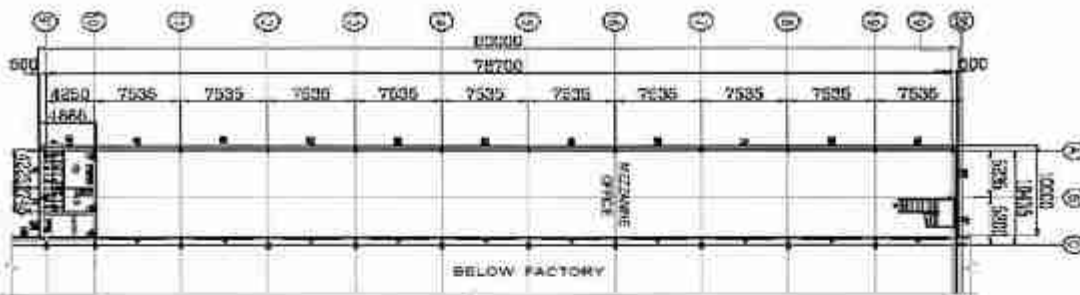


ANNEXURE - 4 Floor Plan

GROUND FLOOR PLAN



MEZZANINE FLOOR PLAN



REVISIONS

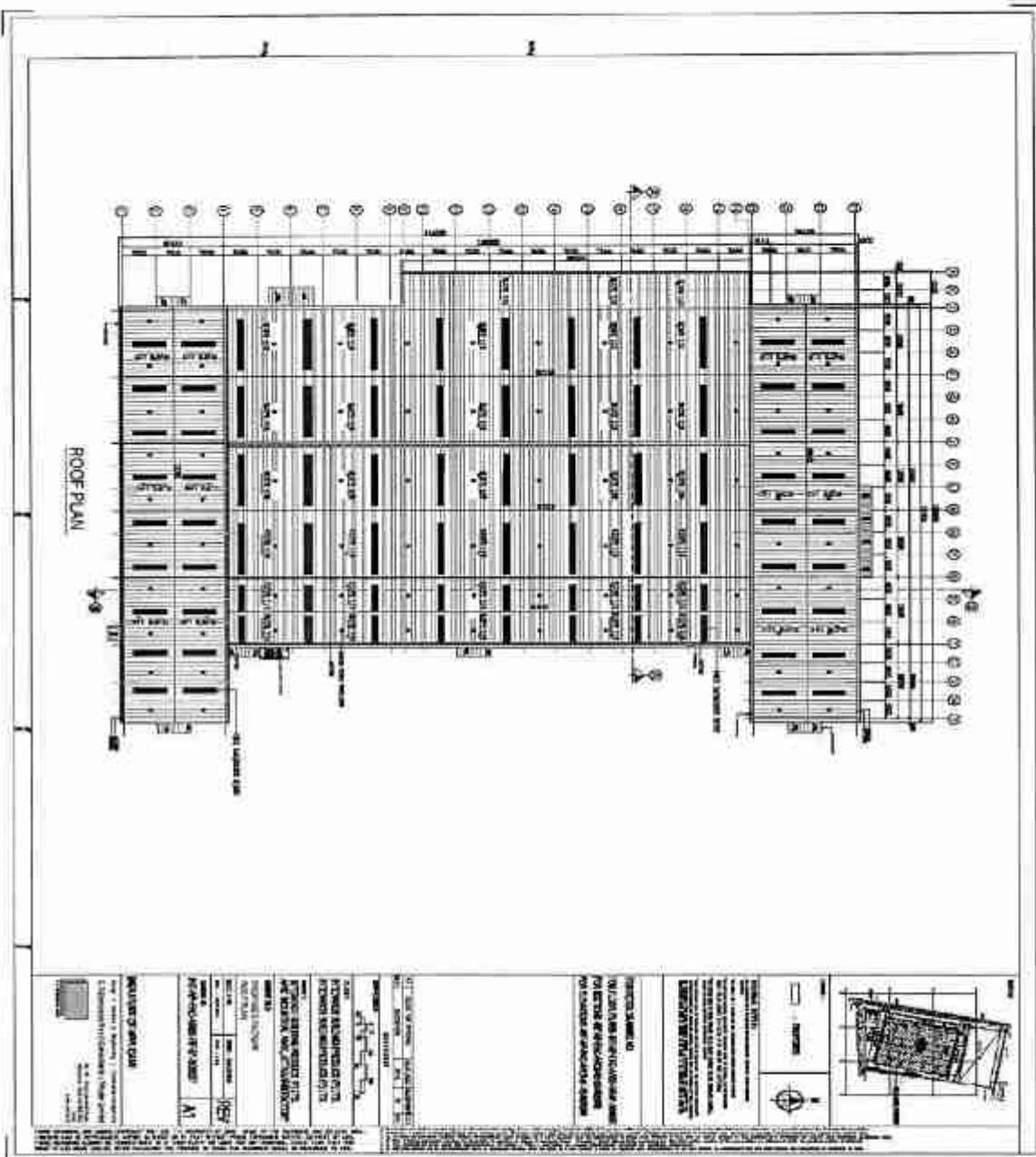
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17	10/10/2023	ISSUED FOR PERMIT
18	10/10/2023	ISSUED FOR PERMIT
19	10/10/2023	ISSUED FOR PERMIT
20	10/10/2023	ISSUED FOR PERMIT

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL WALLS ARE 230MM THICK UNLESS OTHERWISE SPECIFIED.
3. ALL FLOORS ARE 150MM THICK UNLESS OTHERWISE SPECIFIED.
4. ALL ROOFS ARE 150MM THICK UNLESS OTHERWISE SPECIFIED.
5. ALL DOORS AND WINDOWS ARE AS SHOWN.
6. ALL STRUCTURAL MEMBERS ARE AS SHOWN.
7. ALL STRUCTURAL MEMBERS ARE TO BE CONCRETE UNLESS OTHERWISE SPECIFIED.
8. ALL STRUCTURAL MEMBERS ARE TO BE REINFORCED CONCRETE UNLESS OTHERWISE SPECIFIED.
9. ALL STRUCTURAL MEMBERS ARE TO BE CAST IN PLACE CONCRETE UNLESS OTHERWISE SPECIFIED.
10. ALL STRUCTURAL MEMBERS ARE TO BE CAST IN PLACE CONCRETE UNLESS OTHERWISE SPECIFIED.
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19. ALL STRUCTURAL MEMBERS ARE TO BE CAST IN PLACE CONCRETE UNLESS OTHERWISE SPECIFIED.
20. ALL STRUCTURAL MEMBERS ARE TO BE CAST IN PLACE CONCRETE UNLESS OTHERWISE SPECIFIED.



ANNEXURE – 5 Roof Plan



5. TECHNICAL DESIGN BASIS

SECTION 1: BUILDING DESCRIPTION

BUILDING # '01 :

Quantity of Identical Building	One
Building usage	Factory
Number of areas	Three

Area 01 Fabrication Grid G-R/1-17: (PLAN AREA 7087 sq mtrs)

Frame type	SCMG (Straight Column Multi Gable with two intermediate columns)		
No of Interior Columns	2		
Width	58.788 M C/C of Steel columns		
Width Module	3 @ 19.596 M		
Length	120.560 M C/C of Steel columns		
Height from FFL	9.0 M clear under knee from FFL		
Bay spacing on side wall columns	16 @ 7.535 M		
Bay spacing on intermediate columns	16 @ 7.535 M (Same as side wall column spacing)		
End walls	Front End wall	Frame Type: Rigid Frame	Girts: By Frame
		Column Spacing: 9 @ 6.532 M	
	Back End wall	Frame Type: Rigid Frame	Girts: By Frame
		Column Spacing: 9 @ 6.532 M	
Roof slope	1 : 10		
Wind bracing	Cross X rod bracing considered on roof & pipe bracings on side wall columns along grid T. Portal bracings up to 5.072 m from FFL & above cross X pipe bracings are considered along intermediate columns grid K & grid N.		
Roof Sheeting	0.50mm thick (screw down profile)TRACDEK HI-Rib color coated galvalume steel panel (550 Mpa) with insulation as per specifications.		
Wall cladding	0.50mm thick (screw down profile)TRACDEK HI-Rib Color coated galvalume steel panel (550 Mpa) without insulation.		
Openings at right sidewall	Open up to 1.0M for Brick wall by others & above sheeted		
Openings at left sidewall	Full height cladded by phase I building (by Interarch)		
Openings at front end wall	Open up to 1.0M for Brick wall by others & above sheeted		
Openings at back end wall	Open up to 1.0M for Brick wall by others & above sheeted		
Type of Eave	2 mm thick GI Valley gutter with 3 mm thick FRP lining on both the eaves Grid R, Grid G & Grid Q – Hotdipped galvanized MS Header pip		
Building condition	Partially Enclosed		



Area 02 Preparatory Grid 17-20/A-V (PLAN AREA 2808 sq mtrs)

Frame type	SCCS (Straight Column Clear Span)		
No of Interior Columns	Nil		
Width	23.410 M C/C of Steel columns		
Width Module	1 @ 23.410 M		
Length	119.98 M C/C of Steel columns		
Height from FFL	9.0 M clear under knee from FFL		
Bay spacing on side wall columns	15 @ 6.532 M + 4 @ 5.5 M		
Bay spacing on intermediate columns	Not applicable		
End walls	Front End wall	Frame Type: Rigid Frame	Girts: By Frame
		Column Spacing: 1 @ 7.8 M + 1 @ 7.81 M + 1 @ 7.8 M	
	Back End wall	Frame Type: Rigid Frame	Girts: By Frame
		Column Spacing: 1 @ 7.8 M + 1 @ 7.81 M + 1 @ 7.8 M	
Roof slope	1 :10		
Wind bracing	Cross X rod bracing considered on roof & pipe bracings on side wall columns along grid 23. Portal bracings up to 5.072 m from FFL & above cross X pipe bracings are considered along the intermediate columns at grid 20.		
Roof Sheeting	0.50mm thick (screw down profile) TRACDEK Hi-Rib color coated galvalume steel panel (550 Mpa) with insulation as per specifications.		
Wall cladding	0.50mm thick (screw down profile) TRACDEK Hi-Rib Color coated galvalume steel panel (550 Mpa) without insulation.		
Openings at right sidewall	Open up to 1.0M for Brick wall by others & above sheeted		
Openings at left sidewall	Full height cladded by Fabrication shop (by Interarch)		
Openings at front end wall	Open up to 1.0M for Brick wall by others & above sheeted		
Openings at back end wall	Open up to 1.0M for Brick wall by others & above sheeted		
Type of Eave	2 mm thick GI Valley gutter with 3 mm thick FRP lining on both the eaves Grid 20 & Grid 17 – Hotdipped galvanized MS Header pipe considered		
Building condition	Partially Enclosed		

Area 03 Shot blasting and painting Grid 1"-1/A-V (PLAN AREA 2808 sq mtrs)

Frame type	SCCS (Straight Column Clear Span)	
No of Interior Columns	Nil	
Width	23.410 M C/C of Steel columns	
Width Module	1 @ 23.410 M	
Length	119.98 M C/C of Steel columns	
Height from FFL	9.0 M clear under knee from FFL	
Bay spacing on side wall columns	15 @ 6.532 M + 4 @ 5.5 M	
Bay spacing on intermediate columns	Not applicable	



End walls	Front End wall	Frame Type: Rigid Frame	Girts: By Frame
		Column Spacing: 1 @ 7.8 M + 1 @ 7.81 M + 1 @ 7.8 M	
	Back End wall	Frame Type: Rigid Frame	Girts: By Frame
		Column Spacing: 1 @ 7.8 M + 1 @ 7.81 M + 1 @ 7.8 M	
Roof slope	1 : 10		
Wind bracing	Cross X rod bracing considered on roof & pipe bracings on side wall columns along grid 1". Portal bracings up to 5.072 m from FFL & above cross X pipe bracings are considered along the intermediate columns at grid 1.		
Roof Sheeting	0.50mm thick (screw down profile) TRACDEK Hi-Rib color coated galvalume steel panel (550 Mpa) with insulation as per specifications.		
Wall cladding	0.50mm thick (screw down profile) TRACDEK Hi-Rib Color coated galvalume steel panel (550 Mpa) without insulation.		
Openings at right sidewall	Full height cladded by Fabrication shop (by Interarch)		
Openings at left sidewall	Open up to 1.0M for Brick wall by others & above sheeted		
Openings at front end wall	Open up to 1.0M for Brick wall by others & above sheeted		
Openings at back end wall	Open up to 1.0M for Brick wall by others & above sheeted		
Type of Eave	2 mm thick GI Valley gutter with 3 mm thick FRP lining on both the eaves Grid 1" & Grid 1 – Hotdipped galvanized MS Header pipe considered		
Building condition	Partially Enclosed.		

MEZZANINE LOADS (office area)						
Supply normally includes support columns, primary beams, secondary joists and a 0.8 mm galvanized steel deck that supports a reinforced concrete slab (slab by others). The steel deck acts as a shuttering that carries the weight of the slab during construction only. The concrete slab must contain steel reinforcements and must be designed by a structural engineer to support all the applied loads on the mezzanine.						
Exterior Mezzanine joists and beams in this area are designed to support brick wall loads:						No
Interior Mezzanine joists and beams in this area are designed to support brick wall loads:						No
Spacing of Mezzanine columns 10.0 m x 7.535 m						
Sr. No.	Mezzanine Loads (Kg/m ²)		Area (m ²)	Location	Staircase & Handrails	Minimum Clear Heights (m) From FFL to bottom of mezz floor
	Dead Load	Live Load				
Level 1	Load of 150 mm thick RCC slab	500 kg/sqm	753 sqm	Grid A'-A/7-17	1 no	5.0 m

Mezzanine on Side wall of phase I factory building

1. Width – 10.0 m, Length – 75.3 m x Height – 11.0 m clear.
2. Decking sheet is designed to carry only wet concrete loads.
3. Dynamic loads & vibration design are not considered in Mezzanine.
4. Shear studs are not considered
5. 1.2 m high Handrails are considered on the free ends of the mezzanine
6. Fascia considered on the peripheral sides of the mezzanine
7. Header pipe considered for full length of the mezzanine along grid A



Remarks

1. Design & deflection as per IS 800-2007. Design Methodology LSD & design software STAAD.
2. All main frame columns & end wall columns designed as fixed base & starts from FFL.
3. Minimum thickness for primary members considered as 4mm.
4. Minimum thickness for secondary members considered as 1.6 mm.

CANOPY – CANTILEVERED

A canopy is a cantilevered roof that projects from the sidewall or the end wall of a building below the roof level.

S. No.	Location	Qty	Width (M)	Length (M)	Clear Height (M)	Soffit Panel Included	Eave Condition
1	Fabrication Side walls	3 Nos.	3.0m	7.535 m	6.5m	NIL	Gutter & retron downtake
2	Preparatory End walls	2 Nos.	3.0m	7.81 m	6.5m	NIL	Gutter & retron downtake
3	Shot blasting End walls	2 Nos.	3.0m	7.81 m	6.5m	NIL	Gutter & retron downtake
4	Gas storage Area	1 No	2.85m	26.7	5.5	NIL	Gutter & retron downtake

CRANES LOADS FOR EOT CRANE

Inter arch supply includes the brackets, crane beam & crane walkway only. Crane rails, square bar, stopper, and crane systems are NOT in Interarch scope.

Sl No.	Critical Required Information for Each Crane System	Area 01 Fabrication	Area 02 Preparatory	Area 03 Shot Blasting
	Location	Grid J-T/1-17	Grid 17-20/A-V	Grid 1"-1/A-V
1	Crane Manufacturer	KONE	KONE	KONE
2	Crane Capacity in MT	10 MT	10 MT	10 MT
3	No. of cranes operating on single crane runway beam	2 nos in each span	2 nos	2 nos
4	Crane Span C/C in M	18.0 m approx.	22.0 m approx.	22.0 m approx.
5	Crane Run Length in M	120.560 m	119.98 m	119.98 m
7	Crane Type (Top running, Under hung or Jib)	Top Running	Top Running	Top Running
8	Bracker height in M	7.1 m	7.1 m	7.1 m
9	Operation Type (Pendant or Crab) (Example : P, C)	Pendant	Pendant	Pendant
10	1 no 2 MT Semi ganty crane considered on all columns at 5.7 M top of crane bracket			
11	EOT cranes designed to work in tandem			

ACCESSORIES

ROOF ACCESSORIES (COMMON FOR ALL THREE AREAS)

No.	Description	Quantity
1	Single Skin Polycarbonate sky lights of size W (mm) = 1000 mm approx x L (mm) = 3000mm . Thk. (mm) =2.0 with fall protection GI mesh	5 % of roof area
2	Roof Insulation : 50 mm thick 24kg/m3 density Glasswool insulation with aluminum foil on one side with GI weld mesh 75 x 75 x 1.6 mm	Full roof area
3	Ridge Ventilator 900 mm throat	Continuous for full length on all three ridges (369 rmt)
4	Turbo ventilator with FRP base , located at: along slope Diameter. 600mm	62 nos on all 3 areas



WALL ACCESSORIES (COMMON FOR ALL THREE AREAS)

1	Single Skin Polycarbonate Wall lights of size W (mm) =1000 x L (mm) =3000. Tnk. (mm) =2.0	1 no per bay on periphery of the building for all 3 areas
2	Fixed Galvalume A-Type louvers with GI bird mesh	1.0 m high considered on periphery of the building for all 3 areas (706 Sqm)
3	Wall framed openings for Rolling shutter (By Others) including trims Width (mm): 4500 x Height (mm): 6500	17 Nos.
4	Steel cage ladder painted same as Primary Steel. Purpose: Roof access with mid landing platform	1 No

Note : There is slight possibility of wind-borne water ingress through louvers while heavy rainfall.

D) PAINT:

Description	Surface Preparation	Finish
Primary Members	Grit blasted with Alkyd Based paint system – 120 micron DFT from plant	
Secondary Members (Purins & Girts)	Pre –Galvanized (275 – GSM)	
Anchor bolts	-	Black Steel (250MPA Steel)

Please take note:

- Structure Colors:
 1. Standard Structural Colors for Epoxy Based factory applied painting system: RAL 5012 Light Blue, RAL 9002 , RAL 7035 Light Grey and IS-692 Smoke Grey
 2. Any color other than the Standard Color is subjected to additional costs with increase in the Lead time of 5-6 weeks from the date of confirmed acceptance by Interarch and paint supplier.
- Sheetting Colors:
 1. Standard Sheetting Colors with Lead time of 5-6 weeks: Off White/Surf Mist , Toba Blue, Torres Blue, Caulfield Green, Autumn Red
 2. Any color other than the Standard Color is subjected to additional costs, Lead time and Availability with deliveries by 10 weeks: Shale Grey, Beige, Others.

SECTION 2: DESIGN LOADS

DESIGN LOADS	
Live Load (KN/ m 2)	: 0.75 KN/ m 2
Dead Load (KN/ m 2)	: 0.20 KN/ m 2
Wind Speed (m / sec)	: 50 m / sec as per IS 875 (Part 3) : 2015 considered
Seismic Zone	: III (Importance factor 1.0) Response Reduction factor 5
Colletral loads on roof	: 30kg/sqm for the entire roof area.
Additional loads on columns	: 100 kg/rmt on all columns without any supporting arrangements

Deflections:

Main frame	
Vertical	: L/180
Lateral	: EH/100
Purlins	: L/150
Mezzanine	: L/240
Crane beam Horizontal	: L/400
Crane beam Vertical	: L/750



SECTION 3: APPLICABLE CODES

Applicable Codes

Loads on building are applied in accordance with:

IS: 875 -III – 1987 [(reaffirmed 1997)] [Code of Practice for design loads (other than earthquake) for buildings and structures

Hot rolled and Built up tapered solid web sections are designed in accordance with:

IS:800-2007 Code of Practice for General construction in Steel. (Without Chapter12)

Cold-formed members are designed in accordance with:

IS:801-1975 Code of Practice for use of cold formed light gauge steel structure members in general building construction (first rev.)

Cold-formed Steel Design manual, [1996 Edition

American Iron and steel Institute (AISI)

Welding is applied in accordance with:

American Welding Society (AWS D1.1.2020)

Structural Welding Code – Steel

Prices:

Building Description	Floor Area in m2	Supply in INR Million	Erection in INR Million	Total in INR Million
Fabrication area	7,087	68.31	9.20	75.51
Preparatory area	2,808	26.31	3.66	29.97
Shot Blasting and painting area	2,808	26.31	3.66	29.97
Office area	1,600	14.99	2.00	16.99
Total	14,303	133.92	18.52	152.45

6. COSTING AND SCHEDULING FOR PHASE 2

6.1 Costing

The estimated cost of Phase 2 is summarized with all expected expenditures based on Design Basis Report.

A. Construction of building, civil works and utilities

Construction of building and civil works for the Planned Andhra Pradesh Manufacturing Facility involves supply and erection of a pre-engineered steel building covering a fabrication area, preparatory area, shotblasting and painting area and office area and civil works for the fabrication area, preparatory area, shotblasting and painting area, office area and development of road around the pre-engineered steel building for car parking. Utilities for the Planned Andhra Pradesh Manufacturing Facility include electrical, plumbing and firefighting work. While the Company has procured quotations from vendors for the costs of building, civil works and utilities under Phase 2, no orders or agreements have been placed or entered into in this regard.

The total estimated cost for construction of building, civil works and utilities is ₹ 436.48 million. The break-up for estimated cost of the building, civil works and utilities is as follows:



S.No	Particulars	Unit of Floor Area	Covered Area (in m ²)	Unit of Construction Cost	Construction cost per relevant unit of area	Total (in ₹ million)	Name of Vendor	Date of Purchase Order/Quotations	Validity of Purchase Order/Quotations (from the date of the Purchase Order/Quotation)
Building Construction:									
1.	Supply and Erection of pre-engineered steel building, comprising of	Square meter		₹/square meter			Swanag Infrastructures	January 5, 2024	December 31, 2024
	a) Fabrication area		7,087		10,654.72	75.51			
	b) Preparatory area		2,808		10,673.08	29.97			
	c) Shot blasting and painting area		2,808		10,673.08	29.97			
	d) Office area		1,600		10,618.75	16.99			
	Total Building Construction (A)					152.45			
	Civil Works for:								
2.	Fabrication area Toilet	Square Meter	7,087	₹/square meter	15,143.22	107.32	Tribie S Constructions Private Limited	February 1, 2024	December 31, 2024
3.	Preparatory area	Square Meter	2,808	₹/square meter	11,287.81	31.84			
4.	Shot Blasting and Painting area	Square Meter	2,808	₹/square meter	9,861.11	27.69			
5.	Office	Square Meter	1,600	₹/square meter	14,056.25	22.49			
6.	Roads Car and Two wheeler parking	Square Meter	9,650	₹/square meter	6,357.51	61.35			
7.	Open Drains	RM ^a	750	₹/RM	10,293.33	7.72			
	Total Civil Works (B)					258.21			
	Utilities:								
8.	Electrical Works	-	-	-	-	12.91	Tribie S Constructions Private Limited	February 1, 2024	December 31, 2024
9.	FPS works	-	-	-	-	7.75			
10.	PHE works	-	-	-	-	5.16			
	Total Utilities (C)					25.82			
	Total Cost (A+B+C)^a					436.48			

^aTotal amount includes GST at the rate of 18% of the Total Cost mentioned in the table above

^aRM - running meter

Note: Electrical works cost amounts to 5% of the Total Civil Works mentioned in the table above

FPS work cost amounts to 3% of the Total Civil Works mentioned in the table above

PHE work cost amounts to 2% of the Total Civil Works mentioned in the table above



B. Procurement and installation of plant and machinery

As part of the Planned Andhra Pradesh Manufacturing Facility, the Company proposes to utilize an amount of ₹ 148.85 million towards procurement of the plant and machinery. While the Company has procured quotations from vendors in relation to the capital expenditure to be incurred, as on the date of hereof, no orders for purchase of the machinery/ equipment, as provided below, have been placed. Further, each of the plant and machinery proposed to be purchased for Phase 2 are proposed to be purchased in a ready to use condition and no second hand or used machinery is proposed to be purchased.

An indicative list of such plant and machinery that the Company intends to purchase, along with details of the quotations the Company has received in this respect is set forth below.



S. No.	Name of machinery	Name of the supplier/ vendor	Country	Date of quotation	Validity of Quotation (from the date of the quotation)	Quantity (nos. unless specified)	Rate ₹ unless specified)	Rate (% million)^	Total Cost (₹ million)	Estimated delivery as per quotation
1.	Semi Auto CxZ Interchangeable Purlin Machine – stronger 3.2mm	Xiamen Reliance Industry Co. Ltd.	China	December 6, 2023	December 31, 2024	1	USD 92,400.00 ⁸	7.73	7.73	110 days upon receipt of 30% advance payment
2.	City/BHT – Hydraulic type Iron Worker with electricals, panel board with all cutting dies BHT/NEBSON – Bolt threading machine along with die head complete with electricals 5HP 3Phase 1440 RPM Motor, DOL starter, Coolant Pump, V Belt with Wooden packing with extra chaser die HARDEV – Hydraulic Thread Rolling Machine complete with Electricals hydraulic Force, Roll dia, Rolls Motor 10HP, Hydraulic Motor 5HP, Coolant Pump 0.25HP with Wooden Packing NU-Tech/MSD - Horizontal High Speed Metal Cutting Bandsaw machine with 3Phase Electricals, Coolant Pump, Switch, Belt and Bimetal one set black complete SONA/BALAJI/PERFECT – Cone Pulley Drive Heavy duty Lathe machine, Spindle bore dia, Swing over bed with standard accessories like change of gear set, Face Plate, Chuck Plate, Motor Pulley, 3Pin Guide (Study rest) Dead Centre, Sleeves & Motor Guard Complete along with Precision Quality jaw dog chuck, CROMPTON 3HP 3Phase electric motor, extra chuck plate, R/F Switch and V belt	Perfect Machines Centre	India	July 6, 2024	December 31, 2024	1	1,400,000	1.40	6.67	4-8 weeks from date of receipt of confirm order
						1	3,858,500	3.85		
						1	850,000	0.85		
						1	128,000	0.13		
						1	440,000	0.44		
3.	CNC Plasma cutting machine	Messer	India	January 29,	December	1	8,250,000	8.25	8.25	10-12



S. No.	Name of machinery	Name of the supplier/ vendor	Country	Date of quotation	Validity of Quotation (from the date of the quotation)	Quantity (nos. unless specified)	Rate (₹ unless specified)	Rate (₹ million) ^A	Total Cost (₹ million)	Estimated delivery as per quotation
	MultiTherm Pro	Cutting Systems India Private Limited	India	July 2, 2024	December 31, 2024	3	139,575	0.42	0.46	weeks from date of purchase order with advance Ex-stock
4.	Pneumatically operated cart mounted heavy duty airless pump model C78.1 ratio 78:1 with extra gun with tip 4.19 and tip guard, 15 metre 3/8" paint hose, whip hose, suction hose and filter Pneumatic Paint Stirrer with radial piston motor	Jaguar Surface Coating Equipments	India	July 2, 2024	December 31, 2024	3	14,500	0.04		
5.	10 M.T Capacity Double girder E.O.T Crane E&C Supervision charges 5 M.T Capacity Single girder goliath Crane E&C Supervision charges 5 M.T Capacity Single girder EOT Crane E&C Supervision charges Shrouded Bus Bar DSL, GI, 4 bar Alignment & Fixing Charges Transportation charges	Pull-Mac Cranes India Private Limited	India	July 2, 2024	December 31, 2024	10 10 job 2	2,198,000 62,000 1,250,000	21.98 0.62 2.50	40.48	5-6 months from date of receipt of technically and commercial order and advance
						2 job 8	62,000 1,136,000	0.12 9.09		
						8 job 242 mtr	62,000 1,536	0.50 0.37		
						242 mtr	403.26	0.10		
							5,200,000	5.20		
6.	Angle Grinder 7" GWS 24-180 Angle Grinder 5" GWS 14-125CI Pencil Grinder GGS 28 LCE Chopsaw Machine 14", GCO 14-24,J Magnetic Drill M/c 50mm, GBM 50-2	Bharat Machinery Agencies	India	July 6, 2024	December 31, 2024	35 7	9,265 6,738	0.33 0.05	0.61	1-2 weeks against receipt of purchase order
						5 2	16,001 11,964	0.08 0.02		
						2	57,045	0.13		
7.	Hydra 1565 AB With HD Tyre	JMR Equipment	India	January 30, 2024	December 31, 2024	3	1,980,000	5.94	5.94	4 weeks from receipt of 100% payment confirmation
8.	SARDA Permanent Lifter (Model e-Lift)	Magnet Magnets LLP	India	July 2, 2024	December 31, 2024	2	64,430	0.13	0.13	2-3 weeks from the date of



S. No.	Name of machinery	Name of the supplier/ vendor	Country	Date of quotation	Validity of Quotation (from the date of the quotation)	Quantity (nos. unless specified)	Rate (₹ unless specified)	Rate (₹ million)^	Total Cost (₹ million)^	Estimated delivery as per quotation
9.	Portable Hydraulic Puncher and Pump Model: SELFER ACE HS11-1624 and HYDRAULIC PUMP HPD-05 Portable Magnetic Base Drilling M/C Model: WA-5000 Auto Feed Auto Control	Mahendra Tools and Machines (India) Private Limited	India	February 15, 2024	December 31, 2024	6	539,500	3.24	4.11	receipt of purchase order and payment
10.	NC Hydraulic Shearing Machine Model Hamier 6310 CNC Hydraulic Press Brake Model Griffon 450-65	Hindustan Hydraulics Private Limited	India	July 2, 2024	December 31, 2024	1	6,100,000	6.10	19.40	3-4 months from the receipt of earnest money with technically and commercially clear purchase order
11.	Box Beam Welding machine	VF Synergic Weld Solutions Private Limited	India	July 3, 2024	December 31, 2024	1	13,100,000	13.10	13.10	12-14 weeks the from date of receipt of techno commercial purchase order with 50% advance
12.	Radial Drilling Machine Model: BR.7524	Batilbor Limited	India	January 30, 2024	December 31, 2024	1	2,560,000	2.55	2.55	14-16 weeks ex-works after receipt of technically and commercially clear order with advance



S. No.	Name of machinery	Name of the supplier/vendor	Country	Date of quotation	Validity of Quotation (from the date of the quotation)	Quantity (nos. unless specified)	Rate (₹ unless specified)	Total Cost (₹ million) A.	Estimated delivery as per quotation
13.	Automatic Shot Blasting Machine with roller conveyor, blow off system, Inline Touch up blast chamber, Painting room and Flash off Chamber with suitable equipment	Surface Preparation Solutions and Technologies Private Limited	India	July 2, 2024	December 31, 2024	1	7,980,000	18.88	18 weeks from date of advance payment and drawing approval date, whichever is later
	Inline Curing Oven					1	3,900,000	3.90	
	Supervision of site erection, commissioning and training of client operator					1	6,750,000	6.75	
						1	250,000	0.25	
14.	ESAB make 600 Amps fully thyristorised DC welding rectifier with full bridge dual star radial rectifier control - Model - EasyWeld SSR 600	ESAB India Limited	India	January 30, 2024	December 31, 2024	11	99,000	1.09	4 to 5 weeks
	ESAB make Cutting Machine - Model - PUG without TRACK					2	19,514	0.04	
	ESAB make 600 Amps Fully Thyristorised Mig/CO2 welding machine complete - Model - AUTO K 600					40	145,351	5.81	
15.	Bar turning machine hydraulically operated with GHP power PAC complete with electric panel, electric motors and other accessories	India International Marketing Company	India	June 26, 2024	December 31, 2024	1 set	730,000	0.75	2-3 months
	Chaser set (Plain)					1 set of 6 chaser	22,000		
16.	EPM Horizontal Plate Handling Systems	East Coast Magnets Private Limited	India	July 2, 2024	December 31, 2024	1	745,000	0.75	6-8 weeks from receipt of technically clear purchase order along with advance
17.	PEBWL 210830PEM Beam welding line	VP Synergic Weld Solutions Private Limited	India	July 3, 2024	December 31, 2024	1	11,000,000	11.00	12-14 weeks from date of receipt of techno



S. No.	Name of machinery	Name of the supplier/ vendor	Country	Date of quotation	Validity of Quotation (from the date of the quotation)	Quantity (nos. unless specified)	Rate (₹ unless specified)	Rate (₹ million) [^]	Total Cost (₹ million) [^]	Estimated delivery as per quotation
18.	'CITY' Brand 'H' Frame, Mechanical Pneumatic Type, Heavy Duty Power Press, Fully Steel Body, Single Geared, Heavy duty Crank Shaft made with graded steel, Mild Steel Connecting rod fitted with Gun Metal Bush with standard accessories and with electricals	Accurate Fab	India	January 23, 2024	December 31, 2024	1	1,085,000	1.08	1.09	commercially clear order with 50% advance 3-4 weeks from receipt of confirm order with advance
Total								148.85	148.85	

[^]All decimals have been rounded off to two decimal points. Total estimated cost excludes GST, which will be funded from internal accruals. To the extent any additional charges, including packaging, installation and freight charges are required to be paid over and above the quotations disclosed hereinabove, such additional charges will be funded from internal accruals.
[†]This quotation is in USD. The conversion rate has been considered as of July 19, 2024 as USD 1 = ₹ 83.64. Source of exchange rate is www.rbi.org.in.



6.2 Schedule of implementation

The schedule of implementation of Phase 2 is mentioned as below.

SR. NO.	PARTICULAR	TARGETED COMPLETION DATE
1	Land Acquisition	Completed
2	Appointment of architect and PMC (Project management consultant)	August 2024
3	Lay out approval from Authority	September 2024
4	Civil works	March 2025
5	Building construction, Electrical, PHE (public health engineering) and Firefighting Works	March 2025
6	Procurement of plant and machinery	April 2025
7	Installation of plant and machinery	April 2025
8	Plant Testing & Commissioning	May 2025
9	Commercial Production	June 2025



Statutory Approvals

The list of statutory approvals required for Phase 1 and 2 are provided in the table below.

S.No.	Applicable License/ Approval/ NOC	Department/ Authority	Phase 1	Phase 2
			Current Status	Current Status
Pre-Construction Approvals				
1	Sanction of Connection for Power Supply for 11KV or 33KV for increase in power capacity Demand letter is itself sanctioned letter	Southern Power Distribution Company of AP Limited	Obtained	Obtained
2	Building Permission Order	Andhra Pradesh Industrial Infrastructure Corporation		
3	Factory Plan Approval	Joint Inspector of Factories, Vijaywada		
4	NOC for extraction of ground water	Ground Water & Water Audit Department		
5	Fire-No Objection Certificate - Provisional	Andhra Pradesh State Disaster Response and Fire Services Department		
6	Consent Order for Establishment	Andhra Pradesh Pollution Control Board		

Post-Construction Approvals				
S.No.	Applicable License/ Approval/ NOC	Department/ Authority	Phase 1	Phase 2
			Current Status	Current Status
1	District Centre Magistrate (DCM) - Approval	The General Manager, District Industries Centre, Government of Andhra Pradesh, Chittoor	Application made to the relevant department/ authority. Pending approval	N/A
2	Final approval from Electrical Inspectorate- Department of Energy-Chief Electrical Inspector - and Load Conversion to 500 KVA	Southern Power Distribution Company of AP Limited	Obtained	Load extension to be obtained at the relevant stage
3	Factory License	Joint Inspector of Factories	Obtained	To be applied
4	Occupation Certificate	Andhra Pradesh Industrial Infrastructure Corporation	Obtained	To be applied



Post-Construction Approvals				
S.No.	Applicable License/ Approval/ NOC	Department/ Authority	Phase 1	Phase 2
			Current Status	Current Status
5	Fire-No Objection Certificate	Andhra Pradesh State Disaster Response and Fire Services Department	To be applied	To be applied
6	Consent to operate	Andhra Pradesh Pollution Control Board	Obtained	To be applied
7	Registration under Property / Professional Tax	Andhra Pradesh Commercial Tax Department	Obtained	Load-
8	Registration of establishments deploying contractual workmen / immigrant workmen	Commissioner of Labour - Department/ Factories	To be applied	-
9	Registration of Standing Order	Commissioner of Labour -Department	To be applied	-
10	Weighing Scales Certification/Calibration	District Inspector or Inspector of Legal Metrology	Obtained	-
11	Registration of Employees Provident Fund	Employees' Provident Fund Organization	To be applied	-
12	Registration of Employee State insurance	Employees' State Insurance Corporation	To be applied	-
13	Testing & Calibration of All lifting/Lackle Machineries/ Pressure Vessels	Directorate of Factories	Obtained	-
14	MSME Registration	Udhyog Aadhar Mantralaya	Obtained.	-



7. CONCLUSION

The proposed plant shall provide a functional and operable production setup within pre-defined scope, cost and time. The Proposed Land available for Phase 2 is adequate for the completion of Phase 2. The products to be manufactured as part of Phase 2 include (i) PEB steel structures products, comprising complete PEBs, primary framing systems (consisting of built-up sections such as H-shaped structures and I-shaped structures), and secondary framing systems (consisting of built-up sections and accessories such as angles, bracings and galvanized cold formed C&Z sections made from galvanized coils), and (ii) metal ceilings and corrugated roofing products comprising, corrugated roofing, metal roofing and cladding systems.

The Plant design shall support single shot execution of Phase 2.

=====XXXXXXXXXXXX=====

Signed and delivered on behalf of Khyati Enterprises

Name: Pradeep Kumar

Designation: Proprietor

