



SANDEEP PANDIT ARCHITECTS

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architect - interior - landscape design
Office - Shop No. -1, Jairam Apartment,
Near NIT garden, Trimurti Nagar, Nagpur.
Mob. 9975497212

REF. No.:- SPA/2022/0084

DATE:- 25/08/2022

SUMMARY OF ESTIMATE

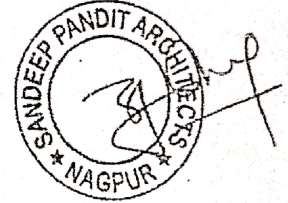
DETAILED ESTIMATE OF "ORANGEVILLE FARMER PRODUCER COMPANY"
AREA ON SURVEY NO.134, MAUJE-ADGAON KHADE, LOCATED AT MULTAI ROAD, MOUZA- TIVSA GHAT, GAT
NO - 122, AREA 0.20-Ha., TA.- WARUD & DIST. -AMRAVATI

FACE SHEET

SR. NO.	PARTICULAR	AMOUNT
1	Details estimate framed for Construction of Fruit Grading Waxing & Packing unit. Civil Construction (Proposed Construction)	96,31,270
	GST @18%	1733628
		1,13,64,000
2	PEB Steructure	71,65,697
	TOTAL COST RUPEES	1,85,29,697

(Rupees One Crore Eighty Five Lack Twenty Nine Thousand Six
Hundred Ninety Seven Only)

Note :- Estimate is Formed as per P.W.D. Amravati C.S.R. effect.



SANDEEP PANDIT
(ARCHITECT)



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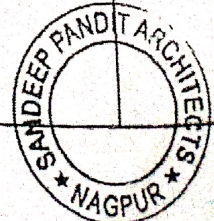
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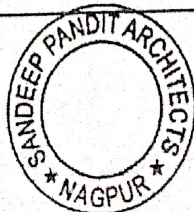
ABSTRACT SHEET

SR. NO.	QTY	DESCRIPTION	UNIT	RATE	AMOUNT
1	429	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area, stacking and/or spreading as directed, dewatering manually, preparing the bed for the foundation and necessary back filling, ramming, watering (Excluding shoring and strutting) etc, complete. (Lift upto 1.5 m.)	CUM	217.00	93,093
2	125	Excavation for foundation in hard murum, including removing the excavated material up to a distance of 50 m. beyond the building area, stacking and/or spreading as directed, watering manually, preparing the bed for the foundation and necessary back filling, ramming, watering (Excluding shoring and strutting) etc. complete. 1.5 M To 3.00 M)	CUM	286.00	35,750
3	56.57	Providing soling using 80mm size trap matel in 15cm layer including fillings voids with sand/grits ramming complited (C.S.R.I.NO.16,P.NO.12)	SQMT	620.00	35,073
4	37.3	Providing and laying in situ, cement concrete M15 / (1:2:4) of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water, formwork, compacting and curing etc. complete.	CUM	5874.00	2,19,100
5	2802.6	Filling in plinth and floors with contractor's soil sand or murum in 15 cm. to 20cm.layers including watering and compaction etc. complete.	CUM	356.80	9,99,968
6	241.76	Providing and laying in situ cement concrete M - 20 of trap/granite/quartzite/gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C.columns and steel stanchions including bailing out water manually, form-work, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel).	CUM	6200.00	14,98,912
7	34.3	Providing and casting in situ cement concrete M - 20 of trap granite/quartzite/gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including centering form-work, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or and roughening if special finish is to be provided and curing etc. complete. (excluding reinforcement)	CUM	10484.15	3,59,606

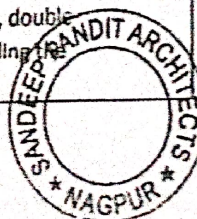
Email · sandeep.pandit@gmail.com & spa_ngp@yahoo.in



8	49.63	Providing & casting in situ cement concrete M-20 of trap/granite/quartzite gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering, formwork, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or & roughening the surface if special finish is to be provided & curing etc. complete (Excluding reinforcement).	CUM	10200.00	5,06,226
9	4.5	Providing and casting in situ cement concrete M-15 of trap/granite/quartzite/gneiss metal for R.C.C. chajja as per detailed design and drawings including centering, formwork, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement)	CUM	5874.00	26,433
10	36.8	Providing and fixing in position steel reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams, columns canopies, staircase, newels, chajjas, lintels, pardsis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required etc. complete	M.T.	75381.00	27,74,021
11	65.83	Providing second class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/in plinth of external walls including bailing out water manually, striking joints on unexposed faces, raking out joint on exposed faces and watering etc. Complete.	SUM	6305.00	4,15,058
12	75.7	Providing second class Burnt Brick masonry with conventional / I.S. type bricks in cement mortar 1:6 in super structure including striking joints, raking out joints, watering and scaffolding etc. Complete	SQ.M	6415.00	4,85,616
13	1089.41	Providing internal cement plaster 12mm. thick in single coat in cement mortar 1:5 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete	SQ.M	170.00	1,85,200
14	221.4	Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete,	SQ.M	196.00	43,394
	770.9	Providing rough cast cement plaster externally in two coats to concrete, brick or stone masonry surfaces in all positions with S18 base coat of 12 to 15 mm thick in C.M. 1:4 and rough cast treatment 12mm thick in proportion 1:11/2:3 including scaffolding and fourteen days curing complete.	SQ.M	492.00	3,79,283
15	21.2	Providing and fixing mild steel grill work for windows, ventilators, etc using mild steel & tubular (hollow) steel section as per drawing & design including fixtures, necessary welding and painting with one coat of anticorrosive paint etc. complete A) 20kg./sq.m.	SQ.M	2576.00	54,611

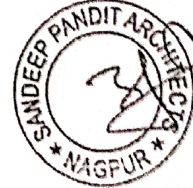


16	37.89 14.40	Providing and fixing rolling shutter fabricated from steel laths of minimum thickness 0.9 mm with lock plate of 3.15mm thickness reinforced with 35x35x5mm angle section fitted with sliding bolt and handles for both sides, deep M.S. channel section of depth and thickness not less than 65mm and 3.15mm respectively with holdfast arrangements, M.S. Bracket plate 300x300x3.15mm minimum size and shape with square bar, suspension shaft of minimum 32mm diameter, hood cover of M.S. sheet not less than 0.9mm thickness and of any size at top and safety devices including mechanical gear operation arrangement consisting of worm gear wheel and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 62481979) (With mechanical gear)	SQ.M	4473.00	1,69,482
17	19.4	Supplying and fixing in position anodised aluminium upto 1.2 meter height outer frame made from section of overall size 92 mm. x 45mm. bottom section with or without drains section track weighing 1.27 kg. per running meter, top and side section weighing 0.838 kg. per running meter with shutters of sections made of 19 mm. x 40mm size having average weight of 0.6kg per running meter (or as per required size with change in proportionate weight) with 5.5 mm. selected quality plain sheet glass fixed with new neoprene gasket shutters to be provided with nylon encased stainless rollers, necessary lock and handles etc. complete.	SQ.M	2525.00	48,985
18	10000	Providing, hoisting and fixing in position Rotational moulded polyethylene water storage tank with ISI mark with walls of required thickness, upto 3000 Litres capacity as per specification and with manhole cover at top including necessary socket for inlet, overflow, scour pipe with plug (all 25 mm. dia) outlet socket, including all leads and lift etc. complete. providing and fixing western type white glazed earthenware mm water closet pan including 's' trap with earthenware foot rest cast iron soil and vent pipe up to out side face of the wall 1:2:4 brick bat lime concrete bedding with out flushing tank and its accessories etc complete.	LIT	13.00	1,30,000
19	1	providing and fixing western type white glazed earthenware 63mm water closet pan including 's' trap with earthenware foot rest cast iron soil and vent pipe up to out side face of the wall 1:2:4 brick bat lime concrete bedding with out flushing tank and its accessories etc complete.	NO.	6827.00	6,827
20	60	providing and laying 90mm Dai. Salt glazed stoneware pipe Com including fitting such as bends, tees, single junction, double junction laying joints including excavation and refilling the trenches complete.	RMT	375.00	22,500
21	40	providing and laying 110mm Dai. Salt glazed stoneware pipe including fitting such as bends, tees, single junction, double junction laying joints including excavation and refilling the trenches complete.	RMT	476.00	19,040



22	398.4	providing and applying three coats of water proof cement paint of approved manufacturing and of approved colour to new plastered surfaces including scaffolding if necessary, cleaning and preparing the surface, watering for two days etc complete.	SQ.M	116.40	46,374
23	327.4	Providing And Applying two coat of exterior weather shield paint of approved manufacture and of approved colour to the plaster....	SQ.M	90.40	29,597
24	725.8	Providing and applying primer coat of approved manufacture and of approved colour to the plaster.	SQ.M	29.10	21,121
25	342	Development and filling open plot for parking area including Excavation upto 1.00 M. Conveying Material beyond 2 Km. Of site filling material by murum and laying paving blocks.	SQ.M	1441.50	4,92,993
26	54	Construction of Front Compound wall including Ex. Laying footing Colum, beam, brick work, plastering colouring etc. Complete. Including guard cabin at Entrance gate.		9870.50	5,33,007
				TOTAL RUPEES	96,31,270
				GST @18%	17,33,628
				RUPEES	1,13,64,898
				Say Total Rs.	1,13,64,000

(Rupees One Crore Thirteen Lack Sixty Four Thousand Only)



SANDEEP R. PANDIT
(ARCHITECT)



I.Scope of Supply

BUILDING DESCRIPTION	
Location	Warud Amravati
Area	1613.60 Sq.m (Including Mezzanine area)
Building type	Clear Span
Width	28.5 m o/o
Length	54.66 m o/o
Height	5.15 m Eave height.
Roof slope	01:10
Width module	1@28.5m
Bay spacing	1@7.83m+5@7.8m+1@7.83m
End wall type	Non Expandable
End wall bay spacing	4@7.125
Bracing	Rod Bracings for roof and side walls.
Wall conditions	2.7m brickwall and above sheeting all around. On North east corner no sheeting. Glass work will be by others
Roof sheeting	0.47mm thk BG
Wall sheeting	0.50mm TCT colour coated
Framed openings	02 LEW (3.6 m x 3.6 m)
Canopy	N.A
MEZZANINE	Yes. On North East corner (7.83m x 7.125m)

Loading Data	
Live load	0.57 KN/SQ.m
Dead load	0.1 KN/SQ.m
Wind load	39 m/s
Design code	Design code: AISC 360-10, Loading Code MBMA 06 / IS 1893-2016
Accessories	
Polycarbonate skylights	14
Turbo ventilators	14

MEZZANINE DETAILS , Kn/m²

DEAD LOAD	LIVE LOAD	STOREY HT	MEZN AREA
3.125	3.5	2.5 (Beam bottom)	55.8 sq.m

Notes:-

1. All columns considered as pinned at base.
2. Building designed as ENCLOSED building with Internal pressure coefficient Cpi as +/-0.18
3. Exposure category B taken for wind load calculation as per MBMA06
4. Purlins and girts designed for 3 second gust speed.
5. Purlins & girts are considered as 200 mm depth as per design requirement.
6. Braced bay considered in bay no 1 & 7 for longitudinal stability of building.
7. All bracing members are designed as tension only members.
8. The lateral stability of building is provided by frame action.
9. The longitudinal stability of the building is provided by truss action in the braced bays("x" bracing)
10. Flange braces are provided to restrain rafters, column
11. Seismic zone II is considered with importance factor as 1 and RF as 4.

II. Exclusions

Any product or service that is not clearly specified in this proposal.

No Civil work is included in our scope.

III. Special Note

Our Factory paint includes red oxide primer and finish paint to be spray painted with airless spray -2 coats synthetic enamel DFT 70 Microns

All the primary members will be Shot/Sand blasted (It will give tremendous strength to the durability of paint)

All the primary members will be either of TATA, SAIL, JSW or equivalent prime along with Test Certificates assuring you the best quality.

Purlins & Sheeting will be of JSW Prime, ESSAR, TATA, Bhushan or equivalent.

IV. Approval Drawings

Blue Ladder EPC Solutions Pvt Ltd will issue G.A. Approval Drawings within 15 working days from date of signing contract, receipt of Purchase Order and Advance Payment.

BUYER must give thereafter the written approval of G.A. Drawings preferably within 1 week; otherwise, it may result in revision to our price, delivery commitment and Project Completion Schedule.

V. Delivery Period

Blue Ladder EPC Solutions Pvt Ltd will provide delivery schedule from the latest date of receipt and acceptance of the following at Blue Ladder EPC Solutions Pvt Ltd Office:

Signed Supply Contract / Purchase Order/Work Order.

Blue Ladder EPC Solutions Pvt Ltd G.A. approval drawings duly signed and approved.

Purchase Order amendment (If applicable).



VI. Supply Price

A. BUILDINGS & ACCESSORIES - ALL PRICES ARE IN RUPEES

DESCRIPTION	VALUE
Supply Value	RS.57,72,000 /-
Erection Value	RS.3,00,625 /-
Rate Per Kg with Erection	RS.126.25 /-
Approximate Weight	48.1 MT
Including 18 % GST	Rs.71,65,697 /-

Notes:

- * The above quoted rates are including transportation and GST
- * Polycarbonate Skylights & Turbo vents to be charged separately Rs. 7000 & Rs. 6000 each respectively.
- * Weight may vary $\pm 5\%$

B. TAXES & DUTIES

However, if there is any change in GST excluding or any other statutory taxes / duties or introduction of any other new taxes / duties at the time of dispatch of the pre-fabricated building, the same would have to be paid by the Buyer at actual prior to shipment.

C. TERMS OF PAYMENT

For Supply of material:

1. 20% of total value inclusive of all the applicable taxes as advance on confirmation of order
2. 30% of total value inclusive of all the applicable taxes on GA Drawing submission.
3. 50% before dispatch on providing Proforma Invoices (Proportionately).

For Erection-

1. 30% as mobilization advance before start of the installation.
2. 40% on completion of primary & secondary material.
3. 25% on completion of roof sheeting and wall sheeting.
4. 5% on successful handing over of the building.

All H beams will be fully welded on US based Fully Automatic H Beam machine with Lincoln Power Source.

VII. Blue Ladder EPC Solutions Pvt Ltd Standard Product Specifications

- A. PRIMARY MEMBERS:**
ASTM A572 or equivalent materials having min. YS of 345 MPA (Grade-50, 55W).
- B. SECONDARY MEMBERS:**
Light Gauge cold-formed sections having min YS of 345 N/mm².
- C. CONNECTIONS:**
Anchor Bolts Grade (4.6) and connection bolt Grade (8.8).
Bolts will be High Tensile.
- D. PHYSICAL SPECIFICATIONS OF STRUCTURAL MEMBERS:**
Members fabricated from plate or bar stock shall have flanges and webs joined on one side of the web by a continuous welding process.
- E. ROOF SHEETING / WALL SHEETING:** Standard specification of sheet.
Wall & Roof panels shall be of 26-gauge thick profiled galvalume or galvalume colour coated steel sheeting.
- F. SHEETING FASTENERS:**
Standard fasteners shall be No. 14, Type A, self-tapping sheet metal screws with metal and neoprene washers. All screws shall have hexagonal heads, be colour coated/Bare to match roof and wall sheeting and made of zinc plated steel.
- G. SEALER / ROPE SEAL:**
This is to be applied at all side laps and end laps of roof panels and around self-flashing windows. Sealer shall be 6 mm wide x 5 mm thick, asbestos fibre filled, pressure sensitive Butyl tape. The sealer shall be non-asphaltic, non-shrinking non-drying and non-toxic and shall have superior adhesion to metals, plastics and painted surfaces at temperatures from -51 °C to + 104 °C.
- H. CLOSURES / FILLER STRIPS:**
Solid or closed cell E.T.P. (Ethylene Polypropylene Terpolymer) closures matching the profile of the panel shall be installed along the eaves, rake and other locations specified on Blue Ladder EPC Solutions Pvt Ltd
- I. RIDGE CAP:**
A formed panel matching the material color, slope and profile of adjoining Blue Ladder EPC Solutions Pvt Ltd Rib roof panels.



J. FLASHING AND TRIM:

Flashing and/or trim shall be furnished at the rake, corners, eaves framed openings and wherever necessary to provide weather tightness and finished appearance. Colour shall be white for rake and eave flashings and colour of wall for corner flashings unless otherwise specified by client from one of Blue Ladder EPC Solutions Pvt Ltd standard range of colours.

K. EAVE GUTTERS AND DOWNSPOUTS:

- Eave gutters shall be box shaped, colour coated, and 0.5mm thick GI Sheet. The outside face of the gutter shall be supported with colour coated 0.3 mm nominal thickness.
- Downspouts shall be Galvalume, rectangular-shaped curved end at the bottom facing away from the building.

K. ANCHOR BOLTS: These are normally supplied prior to the delivery of Pre-Fabricated Building.

VIII. Terms & Conditions of Sale

*For the sake of brevity BlueLadder EPC Solutions Pvt. Ltd. shall be hereinafter mentioned as "The SELLER"

1. PROPOSAL VALIDITY & SUPPLY PRICE CONDITIONS:

This price quoted is valid for 2 (Two) days from the date of this proposal. If an extension is sought for the validity of this proposal must be received in writing from the SELLER. Due to the fluctuating and constantly changing prices of the steel, any variation in base steel price after the validity is expired will have a Direct and Proportional impact on the revision of prices on the Pricing given above. Moreover, the price validity condition will be as per the agreed payment conditions under VI (C) of this proposal.

2. ERECTION DRAWINGS:

The SELLER will furnish the BUYER with all standard erection drawings required for the erection of the buildings. The SELLER will also furnish the BUYER with Anchor Bolts setting plans and column base reactions.

3. DEPUTING ENGINEER FOR ANCHOR BOLT CASTING

The SELLER will depute an Engineer for a maximum of three (3) days depending on the size of the Plinth and size of the project during the casting of the Anchor bolt for inspection and checking to ensure precise casting. During this period the Engineer's Boarding and Lodging will be borne by the BUYER. Any more visits for the same purpose or any specific request by the buyer for deputing our Engineer due to any reason will be charged at INR 5,000/- to INR 10,000/- per day depending on the location/project.

4. CANCELLATION:

Agreement and orders CANNOT be cancelled or modified by BUYER under any circumstances without BUYER first reaching an agreement in writing with SELLER covering all damages. If cancellation or modification is agreed to by The SELLER, BUYER agrees to promptly pay all reasonable engineering and other expenses incurred by The SELLER in connection with this Agreement and, in any case not less than 5 % of the Agreement price in case of cancellation shall be given to the SELLER as cancellation fee.