

To,

Sub: - Inquiry for Civil and Structural work for Proposed Mezzanine Floor @25500 Level in Automated Warehouse at AmulFed Dairy, Gandhinagar.

We invite your most competitive offer, quoting your lowest rate and shortest execution period for item mentioned as under. Your offer must be sent in sealed reply envelope attached herewith by registered post/courier or by person. Mention, "Civil and Structural work for Proposed Mezzanine Floor @25500 Level in Automated Warehouse at AmulFed Dairy, Gandhinagar." on top of the offer reply envelope.

Detailed Technical Specification & Schedule of Quantities as per Enclosed Annexure: - I

Last date of receipt of Quotation: 15th June 2021.

➤ **General Terms & Conditions.**

1. Contractor has to quote rates considering work is to be carried out at AmulFed Dairy, Gandhinagar.
2. Your rates should be including of all material cost, labour cost, octroi, loading, unloading at AmulFed Dairy.
3. The Contractor will have to bring his own tools, tackles, ladders, accessories, scaffolding etc.
4. Specify Tax Condition. GST will be applicable or not. If tax condition is not specified your rates shall be considered as inclusive of all taxes.
5. **It is advisable to visit the site before quoting your rates.**
6. If work is to be carried out in emergency basis or during Shutdown period, contractor should
Carry out work on emergency basis, night work shall be permitted under such Intervention to
meet production schedule.
7. Payment terms: 30 days after submission of bill based on JMS / JMR.
8. Quantity indicated here is estimated; it may vary on either side however payment shall be made as per the actual work executed at site based on JMS / JMR.
9. To the extent possible extra item shall be avoided. If however is necessary done as per site Condition & is not envisaged in the current SOR we shall fix the rate base on competitive Offers from the market which shall be binding to the contractor. Contractor should inform well in advance about the requirement of the extra item to us to get enough time to collect Comparative offers.

10. All the legal/administrative records like muster roll, salary register, labour license, PF, ESI etc. to be maintained & submitted as and when required and contractor is responsible for labour laws and rules/regulations etc.
11. Cleaning of site must be required after day-to-day work.
12. Your workmen should wear the identity card of your company while executing jobs at AFD, Gandhinagar.
13. In case, any of your workmen get injured due to Accident, while working within premises of AFD, or any damage to our equipment or property has taken place due to your workmen, you will repay the damages/losses.
14. We are ISO 9001:2004 QMS (Quality Management System), ISO 14001:2004 (Environmental Management System) ISO 22000:2005 FSS (Food & Safety System) certified unit. We expect you to follow eco-friendly process in your Company such as waste minimization, reduction in air pollution, waster pollution and soil Contamination etc.
15. Chewing pan masala, tobacco & smoking is strictly prohibited in AFD premises and if any person is catch then penalty would be Rs. 5000/- each.
16. You shall be working in running factory and ensure that the day to day operations of the factory are not hampered in any way due to your activities. Any damages occurred by you shall be recovered. Proper barricading of the work area should be done to prevent dust dirt etc. in the environment.
17. Water and Electricity will be provided by AFD at one point and it will be chargeable basis 0.5% for electricity and 0.5% for Water will be recovered from your bills.
18. Safety is the utmost priority inside the premises & Contractor must ensure your team to follows all the safety norms (like use of PPE Personal Protective Equipments, fall protection, secured & safe staging, scaffolding etc.) A safety hand book shall be provided for ready reference if required. If any person not following the safety rules and regulations penalty would be Rs. 1000/- from the Bill.
19. Contractor shall indemnify AFD from any kind of losses due to the activities of the contractor.
20. All jobs executed must remain under **one year defect liability period** pertaining to defects due to bad workmanship, use of sub-standard materials, improper methods of application etc and must be attended free of charge during this period.
21. **Security deposit 10% of the total cost of the project**, which will be submitting in the form of bank guarantee at time of acceptance of order and will be released after **12 month** after completion date.
22. MS Structure material advance payment will be given 60% once material received at site and remaining 40% will paid after installation and advance amount will recovered from bill.
23. Retention money 5% of work done amount will be hold each bills and release after completion of 6 month of defect liability.
24. Project Completion period 45 days after site hand over for work.

AmulFed Dairy shall not accept the offer, received later than the date mentioned above.

Yours faithfully,

For, AmulFed Dairy, Gandhinagar.

Annexure : I
Technical Specification and Scope of work.

BOQ of Civil and Structural work for Proposed Mezzanine Floor @25500 Level in Automated Warehouse at AmulFed Dairy, Gandhinagar.					
Item No.	Description	Unit	Quantity	Rate	Amount (Rs.)
1.00	Earth Work				
1.01	Excavation in all kinds of soil, including murum, for foundations of wall, columns, plinth beams, basement, raft ducts, trenches, underground sumps, septic tanks etc. including shoring strutting, bailing out water/pumping off water if required, refilling the trenches, foundation pits, ramming, watering consolidating in 15 cms to 30 cms layers, removing and stacking simultaneously the excavated stuff as directed within the site area up to a lead of 500 m and/or spreading soils in layers for site development and consolidating as directed etc. complete.	CUM	100.00		
	From existing ground level to 1.5Mtr depth				
1.02	-do- as above item no.1.01 but for the depth exceeding 1.5Mtr. but not exceeding 3.0 Mtr.	CUM	55.00		
1.05	Filling in plinth with selected excavated earth available within site, in layers of 15 cms to 20 cms including watering, ramming and compacting using mechanical vibro-roller etc., complete as directed including cost of transportation up to a lead of 500 Mtr.	CUM	40.00		
1.06	Filling excavated earth in ground other than plinth, for land development etc. to required level, spreading beyond 500 mtr in layers of 30 cms. to 60 cms., watering, ramming, consolidating etc., complete, including cost of loading, unloading, transportation etc complete as directed.	CUM	10.00		
1.15	Carting away the surplus earth and/or debris outside of site, including loading at site, transportation, unloading, spreading etc. complete as directed [80% of fill measurement of earth/debris in truck shall be paid for].	CUM	10.00		
	Note :-				
	1)Since the item specification of item no 1.15 is self explanatory, no detailed specifications are provided in Vol. I.				
	Total of Excavation work	Rs.			
2.00	Concrete work				
2.01	Providing and laying machine mixed brickbat cement concrete in volumetric proportion 1:4:8 (1 cement : 4 coarse sand : 8 brickbats aggregates 37 mm and down) for specified thickness, for foundations below walls, column footings, sunk floor, terraces at any height above plinth level, raft at any depth, below floors, pavements, roads, plinth protection, etc. including centering and shuttering if required, laying spreading, ramming, consolidating as per requirement and curing etc. complete as directed.	CUM	0.00		
2.02	-do- as per item no. 2.01 but with 1 part cement: 4 parts coarse sand : 8 parts of black trap stone aggregate of size 37 mm and down.	CUM	17.00		

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Item No.	Description	Unit	Quantity	Rate	Amount (Rs.)
2.04	Providing and laying in position machine mixed and machine vibrated plain cement concrete for all types of reinforced cement concrete structural elements, viz. Foundations, floor slab on ground, raft, plinth beams, columns, beams, slabs, flat slabs, mullion, sunk slabs, copings, lintel lofts, chajja with drip mould, retaining walls, parapet boxes, folded plates weather shed, gutters, fins, stair cases sloping slabs etc., curved / circular surfaces as specified and as per structural design & as directed using 20mm down graded machine crushed black trap stone aggregate including design of concrete mixes, weigh batched proportioning including necessary centering and shuttering at any lift and lead as specified finishing concrete surfaces, curing etc. complete but excluding of reinforcement steel etc. complete as directed.	CUM			
	With cement concrete conforming to M 20 grade concrete at any depth below ground level but up to plinth level.				
	NOTE:TMT Reinforcement steel will be measured and paid seperately in tender it.no.2.11.				
2.06a	Providing and erecting False staging for form work for each additional height of 5.0 Mtr or part thereof for RCC slab, beams, etc. if the form work height is more than 6.0 mtr for which the steel tubular staging shall be used in the relevant item of centring and shuttering complete as directed. (This will be paid if there is no slab / platform in between and intermediate level & staging is necessary and designed / carried out actually at site with a prior approval of the Engineer). This shall be measured and paid for in sq.m. The plan area of the structure shall be measured for all members except RCC columns & Walls. For RCC columns & Walls the elevational area shall be measured for payment under this item at any floor.	SQM	0.00		
2.06b	Providing and erecting in position permanent shuttering using 18 mm th. Bison Panel board of approved quality & make with one side finish and other side with regular finish, for Structural steel R.C.C. concrete elements like slab, beam, staircase etc. in horizontal, inclined, in all sizes, shapes and designs as per drawing, including necessary cutting, finishing edges, making leak proof joints tapping with water proof taps on all joints, fixing the cement fibre board in position for concrete work etc. Finish surface of cement fibre board to be kept down word and regular surface to be kept up on concreting side etc. complete as directed, for All heights above plinth level.	SQM	700.00		
2.07	- Do - as per item No.2.04 but for M 25 grade concrete at any depth below ground level but up to plinth level.				
(a)	--do-- for footing & rafts, slab up to Plinth. (concreting by Redy Mix Concrete RMC)	CUM	11.00		
[b]	Do as above for M25 concrete in pedestals, coping, tie beams, RCC walls etc. (concreting by Redy Mix Concrete RMC)	CUM	20.00		
[p]	- Do - as above for M 25 (1:1:2) concrete in slab, cantilever slab, porches, galleries loft slab etc. +26500LVL. (concreting by Redy Mix Concrete RMC)	CUM	110.00		

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Item No.	Description	Unit	Quantity	Rate	Amount (Rs.)
2.11	Providing, fabricating & fixing in place and position Corrosion Resistant steel reinforcement for RCC structures as per design including transporting steel from site stores (within site premises) to the work site, unloading cutting, bending and binding with 16 to 18 gauge annealed soft G.I. wires (to be supplied by the contractor at his own cost) welding if necessary etc complete as directed .Payment will be made on the length basis and standard co efficient to convert in to weight as per IS. (Rolling margins and wastages will not be paid).	MT	15.00		
	For TMT steel bars fe500 Grade				
2.14	Providing and Grouting the foundation bolts/pockets, base plates with ACC Shrinkkomp grade-2/ GP2 of FOSROC or FLOWGROUT 60 of FAIRMATE ready mixed non shrink, free flow, self levelling, cementitious grout making holes if necessary in concrete, curing etc. as per the recommendations of the manufacturer, complete as directed.	CUM	0.50		
	1)Since the item specification of item no 2.06b is self explanatory,no detailed specifications are provided in Vol. I.				
2.15	Providing and fixing in position 16mm dia HY Chemical Anchor + HAS-E M16x125/108 (Bolt) chemical anchor fastener of Hilti or equivalent approved make with HY-150 Chemical, including drilling holes in RCC elements at all floors / all levels / all heights / all places as per the drawings and direction of Engineer-in-charge. The rates quoted shall be inclusive of drilling holes, providing chemicals, providing anchors, fixing, tightening, etc complete including cost of scaffolding complete.	Nos.	150.00		
	Total of Concrete work	Rs.			
3.00	Brick Work				
3.01	Providing and constructing brick masonry in CM 1:6 (1 cement & 6 coarse sand) with approved first class bricks having minimum crushing strength of 40-50 kg/sq.cm including scaffolding, racking out the joints, curing etc. Complete as directed by Engineer - in charge. For foundation at all levels below and upto plinth level.	CUM	4.00		
	Total of Brick work	Rs.			
5.00	Finishing work				
5.02	-do- as per Item No. 5.01 but of 20 mm thick double coat mala finish with first coat of 1:4 plaster 12 mm thick followed by 8 mm thick 1:2 (1 part cement : 2 part of coarse sand) etc. to all rcc,masonry surface including scaffolding,curing etc. in line and level complete.	SQM	20.00		
5.11b	P & A "Apex" or "weather coat" of Asian or British paints to exterior surfaces of walls including cleaning old plastered surface/new wall with wire brush, two or more coats of approved shade at all height as directed.	SQM	20.00		
	Total of Finishing work				
	1)Since the item specification of item no 5.11b is self explanatory,no detailed specifications are provided in Vol. I.				

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Item No.	Description	Unit	Quantity	Rate	Amount (Rs.)
6.00	Flooring work				
6.07	Providing and laying pre-polished machine cut single piece green Kota stone of uniform shade in required size as per drawing 20 to 25 mm thick for treads, risers, sides of staircase, kitchen platform, window cills over 20 mm thick cement mortar bed of CM 1:4 (1 part cement :4 part of coarse sand) with thick cement slurry including making 3 to 5 mm V shaped grooves if required, curing machine / hand, curing, grinding, polishing, wax polishing etc complete as directed. Laying procedure and post polishing cleaning is same as in item no.6.05.	SQM	50.00		
	For stone up to 1.50 M long in single piece				
	Total of Flooring work	Rs.			
7.00	Steel work				
7.11a	Providing, fabricating and fixing in position, grill railing, steel ladder of MS sections as per architect's details including to smooth surface fixing hold fast of MS sections embedded in concrete 1:2:4(1 part cement, 2 part coarse sand, 4 part of stone aggregate 12 mm and down), anchor bolts including hot dip galvanizing etc. complete as directed. [The hot dip Galvanizing shall be measured & paid relevant item of this tender]	KG	1200.00		
7.11b	do as item no. 7.11 (a) but for Hollow MS box section, rectangular / square for railing / gate of Tubular section.	KG	0.00		
7.12	Providing, fabricating and fixing in position MS inserts such as nosing, corner angles of columns, plates, flats, tees, provision for pipe hangers, supports, brackets and monorails, hooks, frame around cut-out MS pipe sleeves as per drawings and specifications, in true line and level with hot dip galvanizing including embedding the same into the permanent works at the existing RCC works with necessary welding, grinding . complete as directed..[The hot dip Galvanizing shall be measured & paid relevant item of this tender]	KG	150.00		
	Total of Steel Work	Rs.			
	1)Since the item specification of item no 7.11b is self explanatory,no detailed specifications are provided in Vol. I.				

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Item No.	Description	Unit	Quantity	Rate	Amount (Rs.)
8.00	Roofing work				
8.01	Supplying, fabricating, assembling, hoisting and fixing in position to alignments & levels as per approved drawings, structural steel work in-built up having grade FY-250 in roof truss girders and side claddings with booms, lattice girders roof trusses, gable frame, purlins / built-up purlins, cladding structures, side runners, etc to detail bolted constructions comprising R.S. joints, channels, angles, plates or any MS rolled section including necessary permanent rivets, bolts & nuts using 16 mm dia bolt with nuts having grade - 4.6 as per IS 1364 part-1. The threaded portion of the bolt shall project beyond the nut by at least 1.5 threads. , including welded (welding required as specified by the structural consultant), handling straightening, cutting, making holes by drill machine, shop / site assembly, erection,(including preparation of template) transport to site, storing, etc., surface preparation by rubbing with motorised wired brush, sand paper, emery machines and painting with shop/site hot dip gal. for the fasteners.	KG	64000.00		
8.02	--Do - as per item no. 8.01 but for providing, fabricating and fixing structural work using medium duty tubular square / rectangular sections for Purlin ,Runner & Column) having minimum yield strength of 310/355 N/Sq.mm and confirming to the specifications as per IS 4923 & IS 1161 of approved make including cutting , radius bending, mitring and bolted constructions comprising, providing & using bolts & nuts (using 12 mm dia bolt with nuts having grade - 4.6 as per IS 1364 part-1 for purlin), complete as directed.	KG	15000.00		
8.03	Providing, cutting to shape and fixing in position MS. chequered plates with hot dip galvanizing in cover for trenches, stair steps, landing, platforms etc. complete as per drawings and as directed including painting the welded joints, painting at site with two or more coats of first quality Aluminium paint of approved make and quality over a coat of zinc oxide primer coat of approved make on both side etc. complete..[The hot dip galvanizing of all MS work shall be measured and paid under relevant item of this tender]	KG	2300.00		
8.04	Providing and fixing in position and grouting holding down bolts with nut, washer (bolts having grade 4.6 as per IS 1364 part-1 of 16 mm mild steel) with upper 100 mm portion threaded etc. complete.	KG	450.00		

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Item No.	Description	Unit	Quantity	Rate	Amount (Rs.)
8.09	Providing & fixing GALVALUME colour coated cold rolled sheets made out of 0.5mm base metal thickness and Total Coated Thickness as 0.55mm, yield and tensile strength minimum 550 Mpa cold rolled sheet with hot dip metallic coating of aluminium zinc alloy 150 Gms/SqM, density minimum 4.8 Kg/SqM with minimum 20 microns super durable polyester paint or silicon modified polyester on top and 5 microns back-up epoxy coating at the bottom having 1020/1080mm cover width with 32 mm high crest at 220/250mm C/C in length as approved by the architect and with necessary suitable imported galvanised carbon steel 40micron zinc coated/minimum 20micron Zinc-Tin alloy coated Hexagonal head, self drilling & self tapping screws of ITW Buildiex(R) AS 3566 Class 3/ HILTI/BOSCH having drilling capacity minimum 6-8mm and in required diameter and length fixed using torque drill machine all complete with EPDM sealing washers with sealant.Rate should include cost of plastic caps of approved colour of UV resistance and button bolts etc. for the fasteners.	SQM	40.00		
8.21	Providing hot dip galvanizing on MS angle strip (excluding the cost of steel member) & other section etc. complete. [Item to be considered as - providing hot deep G.I. of 100- 110 micron coating on all M.S. structural members complete as specified and as directed.[The sag rods, erection bolts and nuts provided in the roofing would be measured under this item of work.]	KG	61000.00		
	Total of Roofing work	Rs.			
	1)Since the item specification of item no 8.21 is self explanatory,no detailed specifications are provided in Vol. I.				
9.00	Miscellaneous Work				
9.04	Dismantling brick masonry walls and partitions, plastered or unplastered as per instructions including finishing the broken surface to match with the surrounding, removing the debris as directed within site, cutting if any etc. complete as directed. The dismantling of stone masonry, BBCC, PCC & stone pitching would be measured under this item.	CUM	2.00		
9.05	Dismantling the RCC beams, slabs, lintels, columns, pardi walls, platform etc. including finishing the broken surface to match with the surrounding, removing the debris within site, including cutting the reinforcement if any etc. complete as directed.	CUM	1.00		
	Total of Miscellaneous Work	Rs.			
10.00	Plumbing and Drain Line work				
10.01	Water Supply (Upvc/Cpvc) line in Cabins , Drain lines (CpVC/Upvc) lumps some basis (Approximate Lengh for Water Supply lines 100 Mtr and Drainline 200 Mtr) including its fixing and Require Accessories	Lumpsum	1.00		
	Total of Plumbing and Drainline work	Rs.			
	Total Amount	Rs.			
	GST	Rs.			
	Total Amount with GST	Rs.			