

VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD

# PATNA DAIRY PROJECT

Feeder Balancing Dairy Complex, Phulwarisharif, Patna – 801505

Phone – 0612-2252553, 2252542, 2251622, Fax-2250325

Email :- vpmu.pur@gmail.com

PDP: PUR: 3956

Dated: 01.10.2021

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## TENDER NOTICE

Sealed Tender is invited from experienced party for **civil work for construction of a new foundation for 6 KL liquid nitrogen storage tank at Feeder Balancing Dairy, Patna**. The details scope of work as per BOQ and diagram & Map is attached herewith.

Interested parties may submit their quotation latest by 20.10.2021 by 5.00 pm in sealed envelope addressed to Managing Director, VPDUSS Ltd., Patna super scribing on the top of the envelop Tiles “**construction of a new foundation for 6 KL liquid nitrogen storage tank at FBD , Patna.**”

Bidder must be registered for civil work in Bihar Govt or COMFED, Patna.



Manager (MM)

Enclosure: As above

Note: 1) The rate should be all inclusive FOR FBD  
2) All the legal document i.e. Photo, ID Proof  
Service Tax papers, etc (Xerox is to be enclosed)

CC: Notrice Board, FBD, CFF, HCC  
Patnadairy.org

## BILL OF QUANTITIES

**WORK:- Civil works for construction of a new foundation for 6KL liquid nitrogen storage tank**  
**RATES ARE BASED ON BCD SOR-01.07.2020**


SL.	BSOR-2020	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE	AMOUNT
<b>SECTION -1.0 [ FOUNDATION &amp; PLINTH WORKS]</b>						
1	20.2	Boring, Providing and installing cast in situ single under reamed pile of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap).				
	20.3.1	300 mm dia piles metre	Mtr.	15.00	2074.00	31,110.00
2	20.4.1	Additional bulb in under reamed piles	Each	3.00	1458.80	4,376.40
3	2.8	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
4	2.8.1	All Kinds of soil cum	Cum.	32.75	360.70	11,812.20
5	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	Cum.	1.811	281.40	509.69
6	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :				
7	6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand )	Cum	16.688	4849.20	80,921.03
8	11.72	Providing & laying designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I.	Sqm	20.24	285.20	5,772.45
<b>SECTION -2.0 [ R.C.C WORK ABOVE PLINTH UP TO V LVL.]</b>						
9	5.33A	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete.				
10	5.33.1	All works upto plinth level [ including hardpark]	Cum	3.135	4689.20	14,699.47
11	4.1.5	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level 1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Cum	1.7	3387.1	5,758.07
12	5.9	Centring and shuttering including strutting, propping etc. and removal of form for.				
12	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm.	9.24	470.60	4,348.34
16	5.9.21	Lintels, beams, plinth beams, girders, ressumers and cantilevers. With water proofing 12 mm thick ply.	Sqm.	13.36	486.70	6,502.31
17	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
18	5.29.7A	Thermo-Mechanically Treated bars TMTC-500 - 8mm dia.	Kg.	82.86	70.60	5,849.58
19	5.29.7B	Thermo-Mechanically Treated bars TMTC-500- 10mm dia.	Kg.	44.64	69.20	3,089.09
20	5.29.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	Kg.	159.13	67.60	10,757.32
21	P-202/13.11.4	12 mm cement plaster 1:6(1 cement : 6 coarse sand) on exterior of partition wall	SQM	219.24	134.5	29,487.78
22	P-204/13.48.1	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications.	SQM	219.24	104.7	22,954.43
Contingencies charges(LUMPSUM)						5,000.00



38	D/A	Carriage of materials				
1	A	Carriage of Materials				
	a	Graded Stone aggregate 245 km.	Cum.	5.300	3463.90	18,357.07
	b	Coarse sand 29 km.	Cum.	10.490	579.90	6,083.13
	c	Bricks 8km	1000No.	8.897	899.20	8,000.16
	d	Reinforcement (Steel)	Tonne	0.290	214.70	62.26
	e	Cement	Tonne	3.827	214.70	821.73
	f	Local Sand	Cum	1.811	297.66	539.14
2	B	Difference of Cost of Materials				
	I	Bricks	1000No.	8.897	0.00	-
	II	Cement	Tonne	3.827	147.20	563.39
<b>GRAND TOTAL</b>					Rs.	<b>277,375.04</b>
In words: Rs Two Lakh Seventy Seven Thousand Three Hundred Seventy Five only						

I AGREE & READY TO DO THIS WORK

		In Numeric value(%)	In words
1.0	ON THE GIVEN B.O.Q RATE		
2.0	ABOVE THE B.O.Q RATE(PRESENT)		
3.0	BELOW THE B.O.Q RATE(PRESENT)		

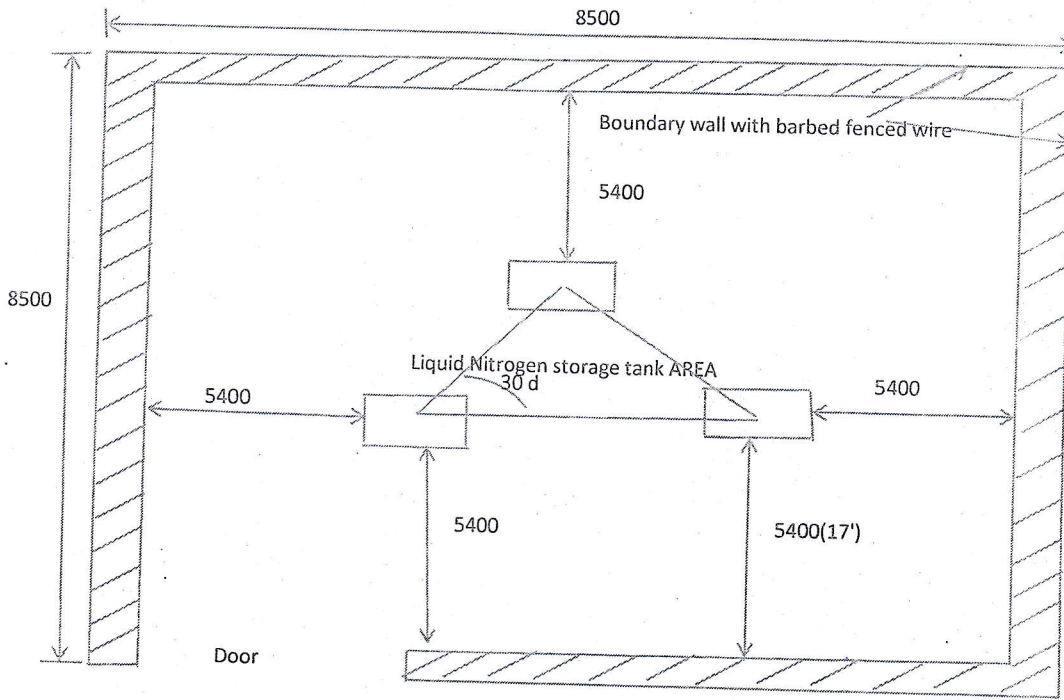
  
Signature of client with seal

Signature of contractor with seal

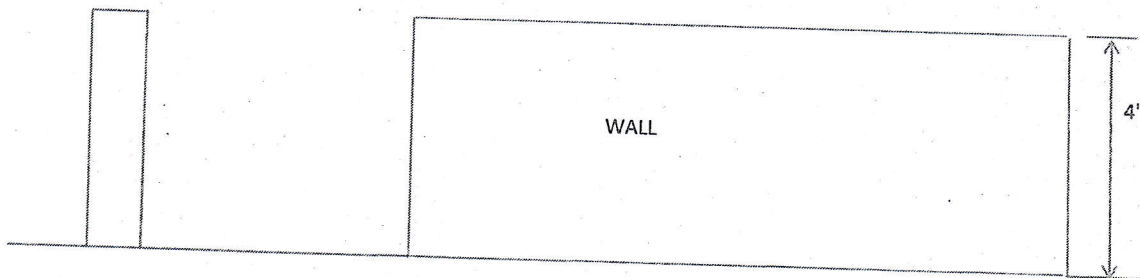




# Layout plan of the Liquid Nitrogen storage tank



## PROPOSED PLAN



## FRONT ELEVATION

*Handwritten signatures*