

NATIONAL FERTILIZERS LIMITED - PANIPAT
CIVIL ENGINEERING DEPARTMENT

Schedule of Quantity for : "Construction of Foundation and other allied Civil works for erection and commisioning of New BFW Pump at NFL Panipat".

TENDER ISSUED TO : M/s _____

NIT No. : NFL / PT / CIVIL / 806 dated 29.02.2024

DUE DATE OF RECEIPT OF TENDERS :

Sr. No.	DESCRIPTION OF ITEM	UNIT	QUANTITY	Per Unit Rate excluding GST		Amount (Rs.)
				In Figure	In Words	
1	Carriage of materials lime mooram, building rubbish, earth by mechanical transport including loading, unloading and stacking upto 2 km	CuM	400			
2	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.	CuM	400			
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	CuM	100			
4	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	CuM	15			
5	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade : Two or more coats on new work	SqM	280			
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All works :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	CuM	60			
7	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All works , 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	CuM	45			
8	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. All works Concrete of M25 grade with minimum cement content of 330 kg /cum	CuM	210			
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars of grade Fe-500D or more.	KG	17000			

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				In Figure	In Words	
10	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	m2	380			
11	Supplying of cemeticous grouting non shrink material of approved make for grouting of pockets, base plates of feed pumps, motors, machines etc.	KG	9000			
12	Execution of any job non susceptible to measurement which includes all minor consumables material , tools and tackles and payment shall be made on the baes of working hours Skilled (mason/carpenter/technician etc.) unskilled	per hour per hour	232 360			
13	Providing and fixing in position 12mm thick bitumen impregnated fiber board conforming to IS: 1838, including cost of primer, sealing compound Grade-A in expansion joints.	per cm depth per 100m	12			
14	Supplying aggregate of 6mm size uniformly graded including spreading, as directed by the Engineer-in-charge.	CuM	2			
15	Supplying aggregate of 40mm size uniformly graded including spreading, as directed by the Engineer-in-charge.	CuM	15			
16	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	CuM	5			
17	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineerin-charge.	SqM	116			
18	Brick work with common burnt clay FPS (Non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all size & shape : Cement Mortar 1:6 (1 cement : 6 coarse sand)	CuM	5			
19	12mm cement plater of mix 1:6 (1 cement : 6 fine sand).	SqM	50			
20	Boring, providing and installation bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, 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 temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. by percussion drilling using Direct mud circulation (DMC) or Bailer and chisel technique by tripod and mechanical Winch Machine all complete, including removal of excavated earth with all its lifts and leads (length of pile for payment shall be measured up to bottom of pile cap). Note: Truck Mounted rotary/TMR/Tubewell boring machine shall not be used . 500 mm dia piles	Metre	120			

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21	Hiring charges for arranging dewatering diesel pump with necessary suction and delivery pipes for dewatering any type of water through broken water mains etc. including operator. Payment for the same shall be made on hourly basis for which the pump is run/operated for particular job. Diesel is to be arranged by the Contractor at his own cost). Pump of capacity 5 H.P.(minimum) with suction / delivery of 50mm dia (minimum).	Working Day	6			
22	Hiring charges for JCB (Mechanical Excavator) with Operator, Diesel / Oil for urgent excavation / dozing . Payment for the same shall be made on hourly basis for which JCB is run/operated for particular job. to be arranged by the Contractor at his own cost).	Working Day	10			
23	Hiring charges for JCB Breaker with Operator, Diesel / Oil for urgent heavy RCC foundations /structures dismantling . Payment for the same shall be made on hourly basis for which JCB Breaker is run/operated for particular job. to be arranged by the Contractor at his own cost).	Working Day	11			
24	Making pockets in R.C.C. upto 200 mm depth/with size of pockets upto 150x150 mm on vertical / Horizontal surfaces at all heights & depths complete including making good wherever required.	EACH	150			
25	Hiring charges for welding set with one welder, welding rods and leads for doing any petty welding job (with free electricity connection and power) Subsequently , payment for the same shall be made on hourly basis for which the welding set is run/operated for particular job. to be arranged by the Contractor at his own cost). . Fuse box and switch starter with covered stand shall be arranged by Contractor.	Working Day	7			
26	Hiring charges for tractor with Operator, Diesel / Oil and accessories like Plougher / Harrower / Trolley, etc. for ploughing /harrowing the ground (Payment shall be made for working hours only)	Per Hour	40			
27	Hire charges of Roller - 5 tonne capacity (Vibro Baby roller) with Operator, Diesel / Oil for urgent compaction jobs. payment for the same shall be made on hourly basis for which roller is run/operated for particular job.(To be arranged by the Contractor at his own cost).	Working Day	4			
TOTAL						Rs.

Note: 1. GST shall be paid extra as per NIT.

2. Bidders must read all the clauses of STC and scope of work carefully before quoting rates.

Signature of Tenderer with Seal