

PATNA MUNICIPAL CORPORATION

Bill Of Qunatity

Name of Work : Construction of boundary wall for the park and installation of Paved walking Ramps, fountain, and lighting within the park in Ward no-46 Central Bank Employees Cooperative Housing Society Colony, under Patna Colony, under Patna Municipal Corporation

1. Estimated Cost : Rs. 4282614.891 **42,40,212-00**

2. Cost Of BOQ : Rs.

3. Earnest Amount : Rs.

4. Tender Number :

5. Authority of recieving and opening of Tender : Executive Engineer, Kankarbagh Division, P.M.C PATNA

6. Time Of Completion :

7. Date and Time Of issuing BOQ :

8. Date and Time for Recieving the Tender :

9. Date and Time for Opening the Tender :

10. Bill Of Quantity Issued to the:
through the office of executive engineer, Kankarbagh Division, P.M.C PATNA

Sl.No.	Item Of Work	Quantity	Unit	Rate	Amount
1	PILE WORK Boring, providing and installing 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. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).(300 mm dia piles)	476.000	Metre	902.60	429637.59
2	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. (All Kinds of soil)	33.042	Cubic Meter	360.70	11918.25

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Sl.No.	Item Of Work	Quantity	Unit	Rate	Amount
3	Providing and laying factory made chamfered edge Cement Concrete paver blocks of required strength,thickness & size/shape, made by table vibratory method , to attain superior smooth finish using PU or equivalent moulds, laid in required Grey colour & pattern over 50mm thick compacted bed of coarse sand, compacting and proper embedding / laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks,lawns, drive ways or light traffic parking etc. all complete as per manufacturer's specifications & direction of Engineer -in-Charge: 80 mm thick c.c. paver block of M-35 grade with approved colour design and pattern.	170.910	Square Meter	956.40	163458.31
4	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	38.944	Cubic Meter	287.30	11188.61
5	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work upto plinth level , 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	5.143	Cubic Meter	4688.30	24111.93
6	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement, 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	31.777	Cubic Meter	5670.00	180175.59
7	Centring and shuttering including strutting,propping etc. and removal of form for., Lintels, beams, plinth bams, grids, bressumers and contilevers.	213.556	Square Meter	404.70	86426.11
8	Centring and shuttering including strutting,propping etc. and removal of form for., Columns,Pillars, Piers, Abutments, Posts and Struts	234.000	Square Meter	494.40	115689.60
9	BRICK WORK(C) Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :, Cement mortar 1:6 (1 cement: 6 coarse sand)	33.420	Cubic Meter	5765.20	192672.98
10	Providing 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,	17.525	Square Meter	283.30	4964.83

Sl.No.	Item Of Work	Quantity	Unit	Rate	Amount
11	18 mm cement plaster in two coat under layer 12 mm thick cement plaster 1:5 (1 cement: 5 course sand) and a top layer 6mm thick cement plaster 1:3(1 cement: 3 coarse sand finished rough with sponge	467.002	Square Meter	218.20	101899.84
12	Finishing walls with textured exterior paint of required shade : New work (Two or more coats applied @ 3.28 ltr/ 10 sqm) over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm	467.002	Square Meter	215.20	100498.83
13	Applying priming Coat:With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	33.600	sqm	34.60	1162.56
14	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	2984.152	Kg	94.50	282002.38
15	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	1852.851	Kg	92.60	171574.00
16	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	1585.940	Kg	90.80	144003.34
17	Providing and fixing in position collapsible steel shutters with vertical channes 20x10x2 mm and braced with flat iron diagonals 20x5 mm size with top and bottom rail of T-tron 40x40x6 mm with 40 mm dia steel pulleys complete with bots.nuts locking arrangement stoppers handies including applying a priming coat of approved steel primer.	3653.000	Square Meter	16.00	58448.00
18	Model Estimate Submersible	298800.000	NOS	1.00	298800.00
19	Horticulture and Landscaping Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%). flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as drected, within a lead of 50 m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	126.900	cum	51.27	6506.16
20	Horticulture and Landscaping Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more tili the grass forms a thick lawn free form weeds and fit for mowing including supplying good earth if needed.(In rows 7.5 cm apart in either direction.)	170.905	100sqm	670.80	114643.07

Sl.No.	Item Of Work	Quantity	Unit	Rate	Amount
21	Excavating, supplying and filling of local earth (including royalty but excluding cairriage cost) by mechanical transport upto a lead of 3km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete. If local earth is available at more than 3 km lead the actual lead must be approved by compitent authority. cairriage of material will be paid seperately and calculated after deducting initial lead.	625.362	cum	411.70	257461.55
22	STONE WORK (machine cut edges veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately), Dressing of sand stone in veneer work	2563.800	Square Meter	30.48	78144.62
23	STONE WORK Stone tile work for wall lining upto 10.0m height with special adhesive like araldite or equivalent over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) including pointing in white cement with an admixture of pigment to match the stone shade , 8 mm thick (mirror polished and machine cut edge), Granite black stone	1900.900	Square Meter	75.00	142567.50
24	Carriage of Materials Coarse Sand	30.530	cum	1181.10	36058.98
25	Stone Chips	31.010	cum	2467.06	76503.53
26	Local sand	39.210	cum	310.47	12173.53
27	Bricks	17.275	per 1000	972.72	16803.74
28	Add 5.36% GST	167205.018	Each	1.00	167205.02
29	Signboard	1.000	NOS	5000.00	5000.00
30	Photography	10.000	NOS	50.00	500.00
31	Siegniroage Fee Coarse Sand	30.530	cum	25.08	765.69
32	Stone Chips	31.010	cum	83.61	2592.75
33	Local sand	39.210	cum	25.08	983.39
34	Bricks	17275.840	Nos/1000	0.34	5873.79
35	4 Metre height Octagonal Hot-Dip galvanized street light poles with top dia. (A/F) 70 mm & bottom dia (A/F) 130 mm and made of 3 mm thick sheet, base plate dimension 220 X 220 X 12 mm including suitable size foundation bolts etc.	18.000	Each	9500.00	171000.00

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Sl.No.	Item Of Work	Quantity	Unit	Rate	Amount
36	Supplying and fixing following types LED street light with minimum efficacy 100 lm/w in die cast aluminium housing, toughened glass, IP 66 protection and complete with electronic driver etc on pole/building Including connection earthing the body etc as required.	18.000	Each	2386.00	42948.00
37	Supply and fixing pole mounted junction box/fuse box for single phase/2 core low wattage street light pole with all accessories and connection etc. as required.	18.000	Each	825.00	14850.00
38	Providing and making of following sizes octagonal street light pole foundation in reinforced cement concrete 1:1.5.3 (1 cement 1.5 coarse sand 3 graded stone aggregate 20 mm nominal size) of specified size including PVC conduit, form work, curing, reinforcement, excavation and refilling etc. as required	18.000	Each	3305.00	59490.00
39	Supply of following sizes and core of PVC/XLPE Insulated PVC sheathed heavy duty, aluminium conductor armoured under ground cable of graded 1.1 KV for working voltage upto 1100 volts conforming to (5) 1554 (Part-1) of 1964 with upto date amendment as detailed below (A) 2 core 10 sq mm	246.870	Each	201.00	49620.87
40	Laying of one number insulated and PVC sheathed power cable of 1.1 KV grade of following size direct in ground including excavations, sand cushioning protective covering and refilling the trench etc. as required Above 35 sq. mm and upto 95 sq. mm	246.870	M	326.00	80479.62
41	Above 35 sq mm and upto 95 sq mm (Clamped with 25 3 mm MS flat clamp)	246.870	M	109.00	26908.83
42	Providing and laying NP2 (on pressure) RCC pipe complete with RCC collar as required of dia 100	246.870	M	128.00	31599.36
43	4' FIS Frp Fluting Body FRP Dia (4-pis) Make FR	1.000	Number	130000.00	130000.00
44	GI Ring With Crown Nozzle Body GI Make Fk	1.000	NOS	44850.00	44850.00
45	Flower jet Nozzle/Jet Nozzle / Cluster Nozzle Body Brass With Chrome Plate	1.000	NOS	6250.00	6250.00
46	Open Well Submersible Pump Size Size 7.5 HP Make Kirosker	1.000	NOS	32850.00	32850.00
47	Electrical Panel With Starter MCB Ammeter Voltmeter Single Phase	1.000	NOS	42450.00	42450.00
48	SS Programable RGB LED Light 12V-18V Body SS 304 Make	15.000	NOS	3250.00	48750.00
49	SS three Way Stand Body SS Make FK	1.000	NOS	7250.00	7250.00
50	Driver For LED Light DC Make FK	1.000	NOS	8500.00	8500.00

Sl.No.	Item Of Work	Quantity	Unit	Rate	Amount
51	Necessary Electrical Such As Submersible Cabling Light Wiring	1.000	NOS	32500.00	32500.00
52	Supervision and Installing	1.000	NOS	25000.00	25000.00
53	Transportation Charge	1.000	NOS	20000.00	20000.00
54	Necessary Pumping Equipment's GI Angle frame	1.000	NOS	62500.00	62500.00
	Say				4240212.75

- Note:-The rates shown in the bill of quantity are inclusive of all taxes/royalties etc & for complete
- I/We undertake to execute all items of work as shown in the bill of quantity at rate indicated below
I/We also undertake to execute any or all extra items of work at the same rates quoted below
- Tender Rate:
 - At Estimated Rates
 - At _____% above the estimated rates
 - At _____% below the estimated rates
- Strike out which ever is not applicable and sign
- Rate should be quoted both in figure and in word in case found any discrepancy in quoted rates. Tender liable to be
- Name of tenderer
- Detail of correspondence
- Detail of earnest money deposited with the tender documents
- Registration no./Vat no or any other Information

4A' P3 = 42,82,500/- vide letter NO 7408 Dated 21/5/26
 T.S Amount = 42,82,500/-

Full Signature of Tenderer

[Signature]
 19/5/26
 Executive Engineer
 Kankarbagh Division

BOO Approved for item NO. (1 to 54) for ₹ 42,40,212.75 (Rupees
 forty two lac forty thousand two hundred twelve) only.

[Signature]
 19/5/26
 CME
 PMC

EE HQ
 PMC