

**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
**Dean of Infrastructure & Planning**

**NIT No.- QT/29-04-2024-02**

**N/W Replacement of damaged sluice valves and prime tanks in the pump room of Swimming pool**

S.No	Description	Qty	Unit	Rate	Amount
1	WATER SUPPLY				
2	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall				
3	15 mm dia. nominal bore	1	metre		
4	25 mm dia. nominal bore	6	metre		
5	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)				
6	25 mm nominal bore	4	each		
7	Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS: 1538				
8	Up to 300 mm dia.	0.5	quintal		
9	Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints				
10	150 mm diameter pipe	4	each		
11	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately)				
12	150 mm diameter				
13	Class II	3	each		

14	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work				
15	15 mm diameter pipe	1	metre		
16	25 mm diameter pipe	6	metre		
17	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)				
18	25 mm nominal bore	4	each		
20	MINOR CIVIL MAINTENANCE WORK				
21	Replacement of C.I. sluice valve in the bottom of balancing tank of swimming pool in the existing line of 230 mm dia by making necessary arrangements i/c P/F additional flange with required threadings & holes in the flange, fixing in position with bolts, nuts, rubber insertions etc. complete with all necessary arrangements and connecting with the existing MS rod for operation of sluice valve from ground level i/c extension of operating MS rod and wheel by 600 to 750 mm as per direction of Engineer-in- Charge. Kirloskar or approved equivalent make (with cap), 250 mm diameter, PN1.6	1	Each		
22	Providing, installation, testing and commissioning of Priming tank, 900 mm dia. and 1250 mm height in MS construction, fabricated from 8 mm thick MS sheet with top flange fabricated with 10 mm sheet fitted with rubber insertions, nuts & bolts, Painting with two coats of rubber paint over epoxy coating (two coats) & priming coat inside & outside i/c making necessary arrangements for inlet, outlet of 150/230 mm dia. (as per site) & air pipes and connection & calibration with the existing pumping system with all required fittings etc. complete to make the system fully functional as per direction of Engineer- In- Charge.	2	1 Job		
23	Dismantling of Priming tank in MS construction with top flange fitted with rubber insertions, nuts & bolts i/c dismantling of cement concrete base and disconnecting all inlet, outlet & air pipes connected with the existing pumping system and disposal of the dismantled material as per direction of Engineer- In- Charge.	2	1 Job		

24	P/F C.I. flange (Heavy Class) on connecting pipe 150 mm dia. i/c threading on flange & pipe, adhesive, cartage etc. with all necessary arrangements Complete.	2	Each		
	Sub-Total				
	Add_GST@				
	Total				

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