



Revised BOQ for Repair and Maintenance of Fire Fighting M.S. Pipe Lines of Sports Block at IIIT-Delhi					
S. No.	Description of Items.	Unit	Qty	Rate	Amount
1	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-Charge.				
	a) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	5		
2	Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge Water bound macadam road.(WBM)	Sqm	10		
3	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drain (not exceeding 1.5m in width or 10sqm on plan),including dressing of sides and ramming of bottoms, lift upto 1.5m. Including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m (A) All kinds of soil.	Cum	10		
4	Providing & fixing M.S. Black ERW Heavy grade Class C piping as per IS: 1239. The pipes complete with necessary specials such as tees, bends, elbows, flanges, reducers, etc. Rate quoted shall include for painting of pipe with one coat of primer and two coats of synthetic enamel paint of approved colour / make for aboveground piping and coating & wrapping for underground piping as per the IS standards and local fire service department requirements, complete in all respects.				
(A)	Underground piping with necessary flanges & fittings such as elbows, tees alongwith pipe coating and wrapping of underground pipes with 4mm thick & 100mm wide approved bitumen-based wrapping material. (Pypkote/Makpolycote) with overlap of 25mm (min) as per manufacturer's specification				
a)	150mm dia	R.M.	3		
b)	100mm dia	R.M.	3		
c)	80mm dia	R.M.	3		
(B)	Above ground piping with necessary flanges, fittings such as elbows, tees, supports and Painting with synthetic enamel paint two coats with one primer coat as per the requirement of local fire service department.				
a)	150mm dia	R.M.	100		
b)	100mm dia	R.M.	5		
c)	80mm dia	R.M.	5		

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	This includes works at all heights and levels including shafts ,terrace and complete with supporting MS works for the same.				
5	Providing protection to underground M.S. pipe and accessories by wrapping bitumen faced hesian tape including proper overlaps on joints testing, commissioning complete as required	Sqm	3		
6	Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50m and lift upto 1.5 m.	Cum.	3		
7	Steel work welded in built up section /framed work, including cutting, hoisting fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In grating ,frames, guard bar, ladder, railings, railings, brackets, gates and similar works.	Kg	125		
8	Supplying, fixing, testing and commissioning of butterfly Valve of PN1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to is13095 of following size as required 150mm dia.	Each	2		
9	Supplying, fixing, testing and commissioning of butterfly Valve of PN1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to is13095 of following size as required 100mm dia.	Each	2		
	Total				
	GST @ 18%				
	Total Amount with GST				
	Note: All rate to be inclusive cost of Transportation, Labour, Materials, loading, unloading etc. as required for satisfactory completion of work.				

In words
