

## ACET AMRITSAR CONSULTANCY SERVICES

### BUILDING MATERIAL

Sr No.	Sample	Test
1	Cement	a) Initial & Final Setting time Comp. Strength(at 7 days curing) b) At 28 days curing. c) soundness d) Fineness e) Consistency
2	Cubes	Comp. Strength
3	Steel	
	a) Tor Steel	i) Ultimate tensile Strength ii) Percentage Elongation iii) Bend test iv) 0.2 Proof Stress below 25 dia and above
	b) Barbed Wire, c) Hing Tension	d) Structural e) Angle f) Flats g) Tees Channel
4	Bricks	i) Comp. Strength ii) Water Absorption iii) Effloroscence
5	Mix Design	Mix Design
6	Concrete Pavers/ Concrete Beam	Comp. Strength Flexural Strength Water Absorption
7	Non destructive Testing- Rebound Hammer	
8	Ultra sonic Concrete Core Cutting/ testing	

## SOIL/SAND/COARSE/FINE AGGREGATES

Sr No.	TEST	
1	Gradation/Sieve Analysis	
2	Fineness Modulus	
3	Silt Content	
4	Moisture Content	
5	Liquid Limit & Plastic Limit	
6	Specific Gravity	
7	Bulk Density	
8	Silt and clay content	
9	Delterious Material	
10	CBR Test (Soaked)	
11	CBR Test (Unsoaked)	
12	Water Absorption	
13	Elongation	
14	Flakiness	
15	Abrasion	
16	Crushing Value	
17	Impact Value	

- 18 MDD/OMC test
- 19 Unconfined Compression Test
- 20 Direct Shear Test
- 21 Relative Compaction Test
- 22 Field Density Test
- 23 Permeability

## Bearing Capacity of Soil

- 1 Standard Penetration Test

## BM/PC

Sr No.	TEST	
1	Bitumen Content	
2	Gradation	
3	Bitumen (Ductility Value, Softening Point & Total Soluble)	

## JOB MIX FORMULA

Sr No.	TEST	
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1	Job Mix Formula	
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## Survey

### Preparation of Countour Map

Sr No.	TEST	
1	Plain area	
2	Semi- Hilly area	
3	Hilly area	
4	Built up Area	
5	Minimum charge	

## Structural Design and Checking

Sr No.	Design For	Capacity
1	OHSR's	upto 2.5 Lac Litres
		2.5 - 5.0 Lac Litrs.
		> 5.0 Lac Litres
		for Less Bearing Capcity
		For First Revision
		For Second Revision
2	Building's	Rsidential upto 3 Stories
		Multi Storey Bulidungs
3	Bridge (Deck-slab type) and culverts	upto 6 m single span
		6 mto 8m single span
		two span
		three span
		four span
		upto six span
4	Bridge (other type)	ALL Spans
5	Trailer Checking & Approval	
	New Design	
6	Other Structural System for e.g. STP and Pavement Design etc.	

Note:- These rates are indicate and for exact rate expert need to be consulted as there n be many complexities

## Water & Sewage Samples Testing

Sr No.	Sample	Parameter to be tests	
1	Water/ 2- (i) Waster Water	a) PH	
		b) Color	
		c) COD(Total)	
		d) COD (Filtered)	
		e) BOD5 (Total)	
		f) BOD5 (Filtered)	
		g) Sulphide (as S <sub>2</sub> )	
		h) Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	
		i) Alkalinity (as mg Ca CO <sub>3</sub> /l)	
		2-(ii)	j) Total Suspended solids (mg/l)
		2-(iii)	k) Volatile Suspended solids (mg/l)
			l) Chlorides (as Cl)
			Nickel
			Iron
			Magnesium
			Copper
		2-(iv)	Hardness
			Nitrates
			Nitrites
		2 -(v)	Turbidity
			Faecal coliform(E.Coli/MPN)
			TDS
			Taste & Odour
	Calcium, Ca(Mg/l)		
	Residual Free Chloride(Mg/l)		
	Flourides		
	Ammonia Nitrogen in mg/l		
	Total Phosphorus inmg/l		
	TKN		
2	Water for Cont. purpose		
3	Drinking Water 1. (As per IS 10500)	Comprehensive physico- chemical analysis	
		Preliminary physico-chemical analysis	

### Terms & Conditions

1. The test report refers only to the sample submitted for the test by the client/agency.
2. The test shall not be used for any sales promotions or advertisement.
3. The test results shall not be used for legal purposes.
4. 75% for the testing/analysis/designing charges shall be deposited in advance.
5. Transportation of man and material will be charged extra.
6. The taxes applicable will be charged extra.
7. Above rates may be negotiable acc. to condition
8. The payment should be made by draft/cash only.