

### Requirement of Shop HSFG Bolts for Karnataka Project

Annexure-A

Sl. No.	Thread Type	Thread Length (mm)	Length (mm)	Required Nos			Total Requirement in Nos	Remarks
				12x 30.5M	9x 45.7M	50x18.3M		
1	M16	35	65	4180	954		5134	Each Bolt Consists of one DTI Washer, One Plain Washer & One Hex. HD Nut.
2	M20	35	55	19152			19152	Each Bolt Consists of one DTI Washer, One Plain Washer & One Hex. HD Nut.
3	M20	35	60		855		855	
4	M20	35	65	12388			12388	
5	M20	35	70		3402		3402	
6	M20	35	80		6048		6048	

**Note :**

Extra 5% Plain Washer for M16 Bolts =	257	nos
Extra 5% DTI Washer for M16 Bolts =	48	nos
Extra 5% Plain Washer for M20 Bolts =	2092	nos
Extra 5% DTI Washer for M20 Bolts =	515	nos