

**Table 3.2: Network Technology Economical and Technical Feasibility study for AMC Case**

Network Technology		Economical	Technical			Feasible
		Cost of Equipment in (SDG)	Max Range	Speed	Equipment	Yes/No
1	Fiber Pipeleline	Lower bound is= 10,000*2 Upper bound is =20,000*2	Unlimted	160/500 MHz-km	Fiber cable	No
2	DSL	40*2 Per Month	5.5 km from CO	1 to 5 Mbps	DSL Modem	
3	Cable	0,4*2*Count of Minuets			Fax Modem	
4	Satellite	80*2 Per month	100 or 200 km from Near pipeline	700 Kbps down and 128 Kbps up	Satellite Dish & modem	
5	Wifi	500*2	100 feet Indoor 500 feet Outdoor	directional antennas	directional antennas	
6	WiMAX	canmax lower bound cost is 15000*2 canmax upper bound cost is 20000*2	250km	105Mbps	BS ,SS module	
7	Canopy Ethernet	2*1000 to 2*10,000	200k(LOS),10 k(nLOS)	10 to 300 Mbps	BS,SS module	

8	Cellular(GSM-CDMA)	55*2 Per Month	Mobile	1to 7 Mbps	mDSL Modem	
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