

Doc No	QSP/SUR/	Issue	1	Issue Date		Page 1 of 2
--------	----------	-------	---	------------	--	-------------

NOTE: All efforts must be made to limit the pole height to maximum 5 meter s and Building height Maximum to 15meter from Ground Level. If it is not possible to conclude theoretically the pole height within 5mts, a live test using a SS must be carried out. Items indicated as (*) are NOT mandatory.

Work Order Reference No :

Survey Date:

Work Order Date :

RESULT:

No.	Parameters	Observation
Base Station Details		
1	BTS Site Name & Address	
2	Sector No	
3	Latitude of BTS	
4	Longitude of BTS	
5	Available Bandwidth on this sector	Bandwidth is to be checked and filled by VSNL
SS Details		
6	Site Name	
7	Site Address	
8	Latitude at SS Location	
9	Longitude at SS Location	
10	Bandwidth requested as per WO	
11	Application	
12	Altitude of SS Location or Height of the Antenna from sea level.	
13	Distance between SS location and nearest Airport.	
14	AMSL	
15	Building Detail: # of Floors Height (Height of the SS should not beyond 15 meter	
16	Hop Distance	
17	Azimuth or Calculate Bearing Angle from SS location	
18	Is direct Line Of Sight available?	
19	What is the Fade Margin	
20	Is NLOS coverage required?	
21	Is the NLOS connectivity tested using a SS?	
22	What is the measured throughput?	
23	What is the D/S Signal Strength (RSSI) Measured?	
24	What is the U/S Signal Strength (RSSI) Measured?	

Prepared By		Approved By	
-------------	--	-------------	--

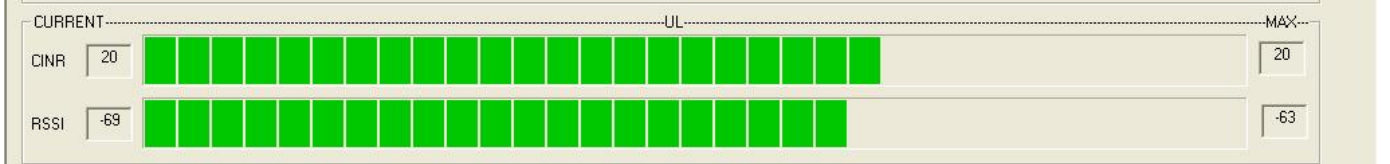
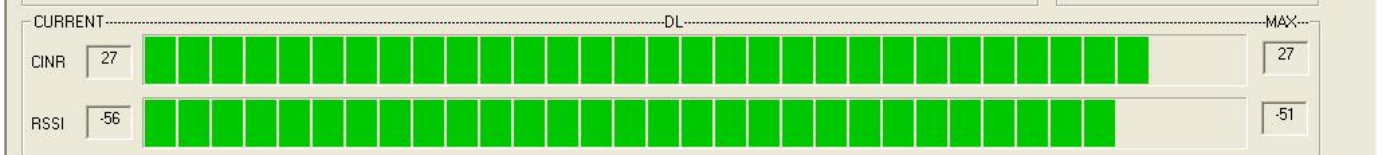
Doc No	QSP/SUR/	Issue	1	Issue Date	17/06/08	Page 2 of 2
---------------	-----------------	--------------	----------	-------------------	-----------------	--------------------

Sr. No.	Parameters	Observation
25	What is the D/SCINR achieved ?	
26	What is the U/S CINR achieved ?	
27	What is the D/S Modulation?	
28	What is the U/P Modulation?	
29	Was the Stability of the Link Tested?	
Common Information for LOS & NLOS		
30	Is building owned by customer?	
31	Is access to terrace of building freely available?	
32	Is there provision for mounting ODU without erecting a Pole/Mast?	
33	Mounting of ODU on Pole/Mast	
34	Is permission required to erect mast / pole on the terrace?	
35	What is the Pole/Mast height recommended?	
36	What is the type of pole erection recommended?	
37	Type of Mast recommended	
38	Erection of Mast	
39	Antenna Height from Ground Level	
40	Type of Antenna (Integrated / External) and Gain of Antenna.	
41	Position of the Antenna as agreed with the customer	
42	Location of Equipment room w.r.t ODU *	
43	Cable Length CAT5e Cable (App.)	
44	Is permission required to route cable from terrace to customer premises (Server Room)?	
45	Is Earthing Point near ODU available at the terrace?	
46	Is Earth Pit available to connect the ODU?	
47	Length of Earth cable from ODU to Terrace Earth Strip/ Earth Pit	
48	Is space for mounting IDU provided? *	
49	Is stabilized 230 Volts AC Power Supply with UPS back up available)?*	
50	Whether the Block Diagram of the Pole Location Attached? (Diagram is Mandatory)	
51	Remarks / Additional Information	

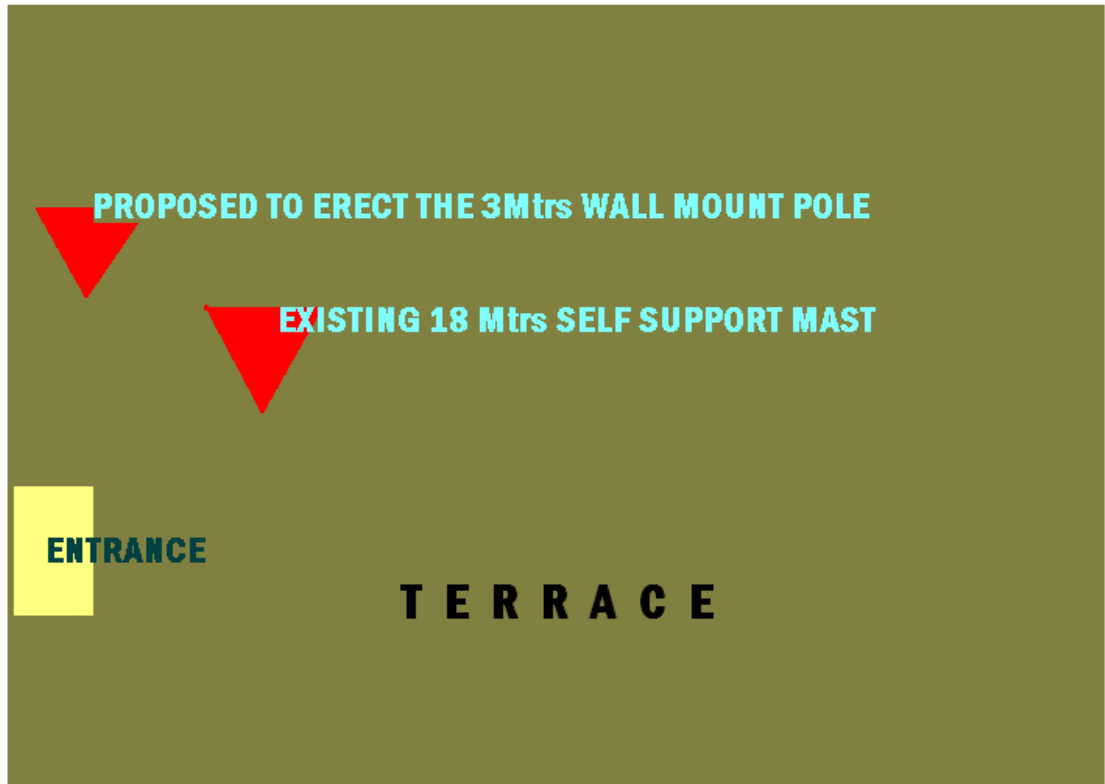
IP Address:

Log File: Direction Name: Measurement Time:

FREQUENCY	BANDWIDTH	BS ID	DRSSI	DCINR	URSSI	UCINR	FDM	RANK
<input type="checkbox"/> 3366000	3000							
<input type="checkbox"/> 3319000	3000							
<input type="checkbox"/> 3369000	3000							
<input checked="" type="checkbox"/> 3316000	3000	00:1A:30:02:00:22	-56	27	-69	20	68	



ANTENNA POSITION SKETCH



Gemini Representative
(Name & Signature)

Customer Representative
(Name & Signature)