

IN THE SUPREME COURT OF INDIA
CIVIL ORIGINAL JURISDICTION

I.A. NO. 2 OF 2014

IN

WRIT PETITION (C) NO. 177 OF 2013

Kamlesh Vaswani Petitioner

Versus

Union of India & Ors. Respondents

INDEX

Sl.No.	PARTICULARS	PAGES
1.	Additional Affidavit on behalf of Suresh Kumar Shukla.	1-5
2.	Annexure P-1: Internet blocking techniques for ISPs and international gateway contains two easy to understand sketches.	6-7

FILED BY:

VIJAY PANJWANI
ADVOCATE FOR THE PETITIONER.

NEW DELHI

FILED ON: 16-12-2014

IN THE SUPREME COURT OF INDIA
CIVIL ORIGINAL JURISDICTION

I.A. No.2 OF 2014

IN

WRIT PETITION NO. 177 OF 2013

Kamlesh Vaswani

Petitioner

Versus

Union of India & Ors.

Respondents

ADDITIONAL AFFIDAVIT DATED 16TH DECEMBER, 2014 ON
BEHALF OF SURESH KUMAR SHUKLA.

I, Suresh Kumar Shukla, S/o Mr. Matasharan Shukla, aged about 35 years, R/o C-33/58, D-1, Bajrang Nagar, Chittupur, Sigra, Varanasi (UP)-221010, presently at New Delhi do hereby solemnly affirm and state as under:

[1]. I am aware of the social problem of porn/child porn websites easy access on the internet. Porn is available freely on mobile phones, laptops, desktops, tablets, all types of computers and computer networks as defined in Sec. 2(i) & 2 (j) of IT Act,2000.

[2] Pursuant to Hon'ble Supreme Court order dated 29-8-2014 a meeting presided by I.T Minister Shri Ravi Shankar Prasad was held in Delhi of the Cyber Regulation Advisory Committee. Twenty two high ranking officials representing various ministries including defence & CBI attended. All these persons

acknowledged the existence of the evil consequences of porn and want blocking but have one or the other technical objection/reservation. The paper-work having been done the committee deliberations came to an end with the I.T Minister's lukewarm comment.

[3]. For the sake of convenience para 14 of the Cyber Advisory Committee containing the I.T. Minister's comments is reproduced below:

“14. MCIT emphasized that the matter is to be viewed in the context of Indian culture and moral obligation towards society. Capturing the essence of discussions and views expressed by members, he said that NGOs will have to play a lead role and work together with Government in creating awareness & education for sensitizing ill effects of the subject matter. He requested IAMAI, being an Association of members from content providers to lead the effort, as social responsibility, to monitor and collect the list of pornography sites from various sources, which can be provided to ISPs to enable blocking. IAMAI may set up a group to prepare list of such sites and provide the same to DeitY who will take further action for their blocking. Govt. will provide necessary support to IAMAI to carry out the task. IAMAI agreed to take up the task as requested by MCIT. Further, MCIT directed DeitY and DoT to work together to upgrade the blocking infrastructure at ISPs in order to implement blocking effectively. He reiterated that the mechanism followed by UK for distributing filtering software

for installation at home computers through ISPs may also be studied and replicated with necessary modification for Indian context. Regarding the misuse of social media for disturbing social harmony in the country, MCIT requested MHA to look into the matter and evolve steps to prevent misuse.”

- [4]. Since then not single porn/child porn website has been blocked. A solution is available for each of the technical point raised by the committee members.
- [5]. SOLUTION: A landing Station receives signals from submarine cable and transmits to ISPs. Deponent will install Firewall in each cable landing station to identify porn websites and block them. An easy to understand sketch is annexed as Annexure P-1. Further, a DNS Blocking Wall with a Brain Scanner will be also installed at (underground submarine optical fibre cable connecting the operator abroad to) the landing station in 5 coastal cities (10 points) in India.
- [6]. In the present day commercial market there are ten landing Stations, five in west-coast and five in the east-coast. They are PSU BSNL (2 Nos at Digha (WB) & Tuticorin (TN); Bharati Airtel at Mumbai & 2 Nos at Chennai; Tata Communications at Mumbai, Chennai, Cochin; Reliance GlobalCom at Mumbai, Sify Technologies at Mumbai.

A cable landing station is defined in TRAI notification dated 21-12-2012 in Clause 2(d) and reproduced below:

- (d) “Cable landing station” means the location,
 - (i) at which the international submarine cable capacity is connectable to the backhaul circuit;
 - (ii) at which International submarine cables are available on shore, for accessing international submarine cable capacity, and such location includes buildings containing the onshore end of the submarine cable and equipment for connecting to backhaul circuits;

[7]. The State Governments are distributing to school students low cost AKASH computers. School students have their own computers which they take to class in school every day. These computers are connected to net directly or connected via wi-fi freely available in schools and public places. In Delhi Wi-Fi is available for 20 minutes free of cost in CP and Khan Market and other public places like hotels.

[8]. The I.T Ministry/Cyber Committee through Ms. Pinki Anand, ASG was sent a list of 850 websites as directed by Hon’ble CJI. Not one of them has been blocked.

[9]. In their statements to the police person accused of rape since December, 2012 Nirbhaya case stated that they watched porn to

excite themselves and consumed alcohol for partying (code word for rape).

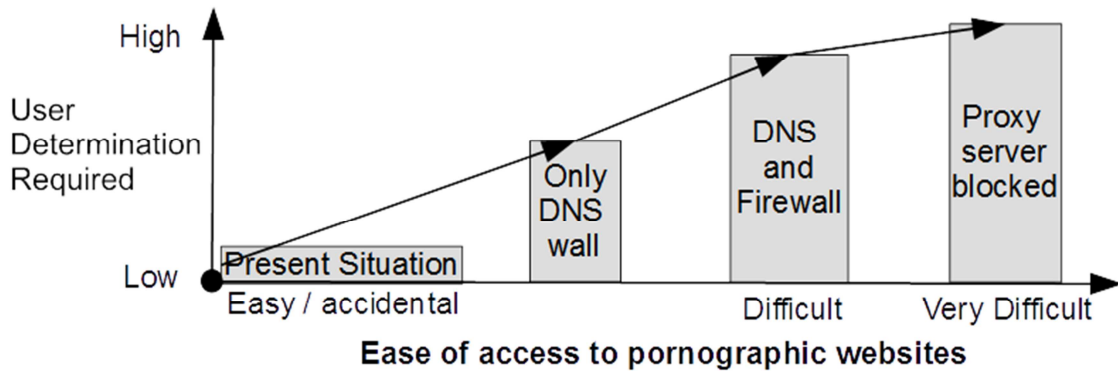
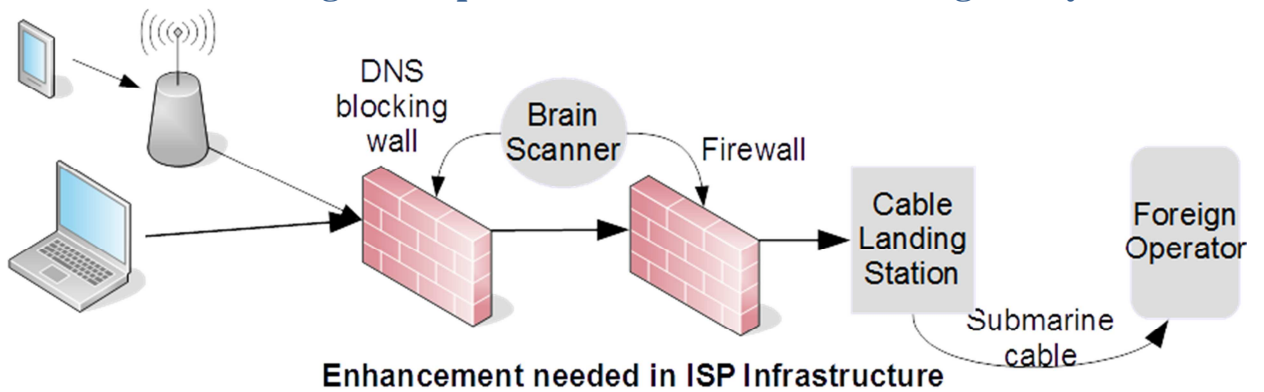
DEPONENT.

VERIFICATION:

Verified at New Delhi on 16th day of December, 2014 that the contents of paras 1 to 9 of the affidavit are true and correct to the best of my knowledge.

DEPONENT

Internet blocking techniques for ISPs and international gateway



DNS: Domain Name System

Firewall: Mechanism to block access to a computer using Internet Protocol number

Brain Scanner: Brain technology contains porn site words in English and Hindi

Proxy server: Web server providing in-direct access to pornographic website

(1) Introduction

Domain Name System Service (DNS) (telephone directory for internet)

To locate a person by name, we use directory e.g. Suresh Kumar Shukla, phone number +91-8948478790.

Similarly, website name is resolved by DNS to an IP address number. DNS servers provide directory listing of all websites in India and abroad.

Domain Name	IP address number	First wall DNS blocking	Second wall Firewall
SupremeCourtofIndia.nic.in	164.100.107.37	Not Applicable	Not Applicable
Porny.com (adult site)	5.9.156.1	Changed to 0.0.0.0	Block 5.9.156.1

(2) TECHNOLOGY

Pornographic website Brain Scanner: Author has company has indigenously developed software which analyzes website content for

pornographic content. Brain Scanner analyzes website content using words and phrases, commonly found on pornographic sites. We have identified specific words/phrases as follows:

	Words	Phrases
English	506	39
Hindi (Devanagari/Latin)	288	15

Ongoing Research for detection of pornography in pictures / videos: Company is incubated at Malaviya Centre for Innovation, Incubation and Entrepreneurship, **Indian Institute of Technology, Banaras Hindu University**, and has research collaboration for analysis of image/video for pornographic content.

Results obtained with Brain Scanner as follows:

- **96%** percent accuracy in detecting pornographic content on website. Good sites are not blocked.
- One-thousandth of a second to scan and classify a new website.

Company has a commercial product based on this scanner serving 4,700 users world-wide. This scanner is available for independent verification:

<http://www.inetclean.com/scripts/14.11/demo.html>

Similar to porn sites, proxy servers located outside India can be blocked in India. Author's company is ready to share the software and expertise with Central govt and ISPs (at non-profit terms) at this stage.