DECREE OF THE MINISTER OF COMMUNICATION AND INFORMATION **TECHNOLOGY**

NUMBER: 34/PER/M.KOMINFO/8/2009

ON

PROVISION OF INTER-INHABITANT RADIO COMMUNICATION

BY THE GRACE OF GOD THE ALMIGHTY

MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY.

Considering:

- a. that based on the provision of Article 40 point b of the Government Regulation of the Republic of Indonesia Number 52 Year 2000 on Provision of Telecommunication, the provision telecommunication has been regulated for one's own individual need, including, among other things, the provision of special telecommunication for the need of inter-inhabitant radio communication
- b. that with the issuance of the Government Regulation of the Republic of Indonesia Number 38 Year 2007 on Allocation of Governmental Matters between the (Central) Government, the Regional Provincial Governments. and the Regional District/Municipal Governments, the Decision of the Minister of Communication Number 77 Year 2003 on Guide for the activities of Inter-Inhabitant Radio Communication need to be replaced;
- c. that based on considerations referred to in points a and b above, it is considered necessary to ratify a Decree of the Minister of Communication and Information Technology on Provision of Inter-Inhabitant Radio Communication.

Bearing in mind: 1. Law of the Republic of Indonesia Number 36 Year 1999 Telecommunication (State Gazette of the Republic of Indonesia Number 154 Year 1999, Additional State Gazette of the Republic

of Indonesia Number 3881);

- Law of the Republic of Indonesia Number 32 Year 2004 on Regional Governments (State Gazette of the Republic of Indonesia Number 125 Year 2004, Additional State Gazette of the Republic of Indonesia Number 4437);
- 3. Government Regulation of the Republic of Indonesia Number 52 Year 2000 on Provision of Telecommunication (State Gazette of the Republic of Indonesia Number 107 Year 2000, Additional State Gazette of the Republic of Indonesia Number 3980);
- Government Regulation of the Republic of Indonesia Number 53
 Year 2000 on Use of Radio Frequency Spectrum and Satellite
 Orbit (State Gazette of the Republic of Indonesia Number 108
 Year 2000, Additional State Gazette of the Republic of Indonesia
 Number 3981);
- Government Regulation of the Republic of Indonesia Number 39
 Year 2001 on Provision of Deconcentration (State Gazette of the
 Republic of Indonesia Number 62 Year 2001, Additional State
 Gazette of the Republic of Indonesia Number 4095);
- Government Regulation of the Republic of Indonesia Number 7
 Year 2009 on Types and Tariffs of the Kinds of Non-Tax State
 Income Applicable at the Department of Communication and
 Information Technology (State Gazette of the Republic of
 Indonesia Number 20 Year 2009, Additional State Gazette of the
 Republic of Indonesia Number 4974);
- 7. Decree of the President of the Republic of Indonesia Number 9 Year 2005 on Positions, Duties, Functions, Organizational Structure and Work Method of State Ministries of the Republic of Indonesia as amended latest by the Decree of the President of the Republic of Indonesia Number 20 Year 2008;
- Decree of the President of the Republic of Indonesia Number 10
 Year 2005 on Organizational Unit and Duties of Echelon I of State
 Ministries of the Republic of Indonesia as amended latest by the

Decree of the President of the Republic of Indonesia Number 21 Year 2008;

- Decree of the Minister of Communication and Information Technology Number 03/P/M.Kominfo/5/2005 on Adjustment of Nomenclatures of a Number of Decisions/Decrees of the Minister of Communication which regulate Special Material Content in the Field of Post and Telecommunication;
- 10. Decree of the Minister of Communication and Information Technology Number 25/P/M.KOMINFO/7/2008 on Organization and Work Method of the Department of Communication and Information Technology;
- 11. Decree of the Minister of Communication and Information Technology Number 29/P/M.KOMINFO/9/2008 on Certification of Telecommunication Tools and Equipment.

DECIDES

To ratify : DECREE OF THE MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY ON PROVISION OF INTER-INHABITANT RADIO COMMUNICATION

CHAPTER I

GENERAL PROVISIONS

Article 1

In this Ministerial Decree, what is meant by :

- 1. Radio Communication is telecommunication using radio wave;
- Inter-Inhabitant Radio Communication hereinafter called KRAP is Radio Communication using radio frequency band specially determined for the provision of KRAP in the territory of the Republic of Indonesia;

- 3. Radio transmitter is a telecommunication device using and transmitting radio wave;
- KRAP station is one or more transmitters and or receptors including their equipment needed in a locality to carry out KRAP provision;
- 5. KRAP equipment is a group of telecommunication tools enabling KRAP provision;
- KRAP License hereinafter called IKRAP is the right provided by the Director General to a person that has fulfilled the requirement to establish, own, operate radio station and use KRAP radio frequency.;
- Organization is a central organization of Inter-Inhabitant Radio of Indonesia hereinafter referred to as RAPI, except if particularly stated;
- 8. Membership Card is a card denoting membership issued and signed by RAPI General Chairman;
- 9. Minister is the Minister whose scope of duties and responsibilities is in the field of telecommunication;
- 10. Director General is the Director General of Post and Telecommunication;
- 11. Directorate General is the Directorate General of Post and Telecommunication;
- 12. Technical Implementation Unit hereinafter referred to as UPT is UPT of Radio Frequency Spectrum Monitoring within the Directorate General of Post and Telecommunication;
- 13. Head of Technical Implementation Unit hereinafter called UPT Head is the Head of UPT Radio Frequency Spectrum Monitoring within the Directorate General of Post and Telecommunication.

CHAPTER II

PROVISION OF KRAP

Article 2

Provision of KRAP is a special telecommunication provision at a certain radio frequency band defined by the Minister.

- (1) The provision of KRAP shall own IKRAP issued by the Director General.
- (2) IKRAP is granted for a period of five (5) years and may be extended.
- (3) Each IKRAP holder may own more than one (1) KRAP equipment.

Article 4

Every IKRAP holder shall become member of the Organization.

Article 5

The Organization Management shall perform guidance towards its candidates and members.

Article 6

Every member of the Organization referred to in Article 4 has the responsibility to:

- a. assist the government to overcome the need of telecommunication facilities in state safety, human souls (SAR), community order, natural disasters and accidents.
- b. receive and channel news referred to in point a to agencies/institutions entitled to receive such news.

Article 7

KRAP station must be identified from its callsign using alphabets and figures (numbers) that have been standardized internationally and emitted at the beginning and the end of radio communication provision.

Article 8

(1) Every IKRAP holder is allowed to have only one (1) callsign.

- (2) The KRAP callsign is defined by the Director General based on proposal of the Organization.
- (3) The callsign referred to in paragraph (1) for KRAP provision has the composition of *prefix*, area code, and *suffix*.
- (4) *Prefix* referred to in paragraph (3) is *Juliet Zulu* (JZ) which forms callsign defined for someone or Organization.
- (5) Suffix referred to in paragraph (3) is a composition of letters AA up to and including ZZ and AAA up to and including ZZZ.
- (6) Area Code referred to in paragraph (3) covers :

a.	Nanggroe Aceh Darussalam Province	(01)
b.	North Sumatra Province	(02)
C.	West Sumatra Province	(03)
d.	Riau Province	(04)
e.	Jambi Province	(05)
f.	South Sumatra Province	
		(06)
g.	Bengkulu Province	(07)
h.	Lampung Province	(80)
į.	Special Territory of Jakarta Capital City Province	(09)
j.	West Java Province	(10)
k.	Central Java Province	(11)
l.	Special Territory of Yogyakarta Province	(12)
m.	East Java Province	(13)
n.	Bali Province	(14)
0.	West Nusa Tenggara Province	(15)
p.	East Nusa Tenggara Province	(16)
q.	East Kalimantan Province	(17)
r.	South Kalimantan Province	(18)
S.	Central Kalimantan Province	(19)
t.	West Kalimantan Province	(20)
u.	North Sulawesi Province	(21)
٧.	Central Sulawesi Province	(22)
W.	South Sulawesi Province	(23)
Χ.	Southeast Sulawesi Province	(24)
у.	Maluku Province	(25)
Z.	Papua Province	(26)
aa.	North Maluku Province	(27)
bb.	West Papua Province	(28)
CC.	Banten Province	(29)
dd.	Bangka-Belitung Islands Province	(30)
ee.	•	(31)
ff.	Riau Islands Province	(32)
		, ,
gg.	West Sulawesi Province	(33)

(7) Area code number referred to in paragraph (6) that comes next must be adjusted following the formation of new provinces.

Article 9

Member of the Organization that operates in other area outside the province of its domicile - in mentioning its callsign - must add an information that states where and in what provision its station operates.

Article 10

- (1) Every IKRAP owner shall use KRAP tools and equipment that have fulfilled the technical requirements and have obtained certificates from the Director General.
- (2) The use of KRAP tools and equipment referred to in paragraph (1) must be given the priority of using domestic components.
- (3) Every IKRAP owner shall install a board/sticker as a sign of identity of KRAP station at the site of KRAP Station, both fixed station and mobile station.
- (4) The form and size of the board/sticker of the sign of identity of KRAP station referred to in paragraph (3) are in accordance with the description contained in Attachment I of this Ministerial Decree.

CHAPTER III

LICENSING

Article 11

- (1) The types of IKRAP are:
 - a. New IKRAP;
 - b. Renewed IKRAP;
 - C. Prolonged IKRAP.

- (2) Application for IKRAP is submitted by the applicant through the Organization to the Director General.
- (3) IKRAP issued by the Director General is delivered to the applicant through the Organization.
- (4) The IKRAP format is as shown in Attachment II of this Ministerial Decree.

Application for a New IKRAP is submitted to the Director General through the Organization using a form as shown in Attachment III of this Ministerial Decree, by attaching:

- a. a photocopy of Personal Identity Card (KTP);
- b. A statement from the Police, and for members of the Armed Forces/Police who are still active, a written statement from their respective units.
- c. A declaration letter stating willingness to become member of the Organization;
- d. Four (4) copies of the latest passport size photographs of 2 x 3 cm:
- e. A photocopy of the proof of IKRAP payment.

Article 13

- (1) A Renewed IKRAP is issued due to damage, loss and shift.
- (2) Application for Renewed IKRAP due to damage and loss is submitted to the Director General through the Organization using a form as shown in Attachment III of this Ministerial Decree, by attaching:
 - a. a statement of the loss from the local Police or a declaration letter of damage approved by the Organization;
 - b. a photocopy of Personal Identity Card (KTP) or other identity;
 - c. four (4) copies of the latest passport size photographs of 2 x 3 cm.
- (3) Application for Renewed IKRAP due to shift is submitted to the Director General through the Organization using a form as shown in Attachment III of this Ministerial Decree, by attaching:

- a. the latest IKRAP original;
- b. a photocopy of KRAP membership card;
- c. four (4) copies of the latest passport size photographs of 2 x 3 cm.

- (1) Application for Prolonged IKRAP is submitted to the Director General through the Organization using a form as shown in Attachment III of this Ministerial Decree, by attaching:
 - a. the latest IKRAP original;
 - b. a photocopy of KRAP membership card;
 - c. four (4) copies of the latest passport size photographs of 2 x 3 cm:
 - d. a photocopy of the proof of IKRAP payment.
- (2) Application for Prolonged IKRAP is submitted three (3) months prior to the expiry of the validity period.

Article 15

- (1) Fee is levied for New IKRAP, Renewed IKRAP, and Prolonged IKRAP.
- (2) The amount of the IKRAP fee is fixed in accordance with the prevailing regulation.
- (3) The IKRAP fee is a Non-Tax State Income the whole of which is directly deposited to State Treasury.

CHAPTER IV

USE OF KRAP TOOLS AND EQUIPMENT

Article 16

(1) KRAP tools and equipment are only used for domestic radio communication.

- (2) KRAP station may be used for the provision of :
 - a. friendly relations and brotherhood among fellow members;
 - b. guidance, elucidation, and Organization provision;
 - c. communication assistance within the framework of organizing scouting movement, sports, social events, and other human activities;
 - d. communicating distress calls and messages, natural disasters, search, and rescue (SAR).
- (3) The language used in communication is Bahasa Indonesia (Indonesian language) according to ethics and procedure of good communication.

- (1) KRAP station is prohibited to be used for :
 - emitting news of political nature, matters pertaining to ethnic, religious, and racial relations (SARA), and or other talks which may create security and order disturbances;
 - b. emitting information/news which is commercial in nature or which obtains remuneration;
 - c. emitting code news, except code 10 (ten code);
 - d. communicating with KRAP station that does not own license or other radio stations other than KRAP stations;
 - e. telecommunication service;
 - f. emitting untrue distress calls and messages or other false news and/or misleading signal;
 - g. emitting information which is not in line with its objective as radio communication means, among other things, emitting music, songs, speeches, tales, and immoral talks;
 - h. communication means in aircraft and ships;

- i. communication means for the sake of government agencies and/or private agencies;
- j. communicating abroad.
- (2) Using HF band is prohibited by any means to be connected to external power amplifier.
- (3) Using VHF band is prohibited by any means to be connected to external power amplifier.

CHAPTER V

RADIO FREQUENCY BAND

Article 18

(1) Radio frequency canals allowed at HF (*High Frequency*) band for the implementation of KRAP provision are radio frequencies of 26.960 MHz up to 27.410 MHz divided into 40 canals, i.e.:

Canal	MHz	Canal	MHz
1	26.965	21	27.215
2	26.975	22	27.225
3	20.985	23	27.235
4	27.005	24	27.245
5	27.015	25	27.255
6	27.025	26	27.265
7	27.035	27	27.275
8	27.055	28	27.285
9	27.065	29	27.295
10	27.075	30	27.305
11	27.085	31	27.315
12	27.105	32	27.325
13	27.115	33	27.335
14	27.125	34	27.345
15	27.135	35	27.355
16	27.155	36	27.365
17	27.165	37	27.375
18	27.175	38	27.385
19	27.185	39	27.395
20	27.205	40	27.405

- (2) The provisions regarding the use of HF band referred to in paragraph (1) are as follows
 - a. radio frequency band referred to in paragraph (1) is radio frequency band used jointly and is not particularly meant for one (1) IKRAP holder and is also not protected from electromagnetic harmful interference;
 - b. Every radio frequency canal of KRAP referred to in paragraph(1) may be used for transmitting emergency news;
 - c. In particular, radio frequency of 27.065 MHZ (canal 9) is only used for transmitting emergency news;
 - radio frequency referred to in point a is radio frequency of upper single side band with single side band suppressed carrier;
 - e. emission class allowed at HF band is J3E for radio telephone communication;
 - f. maximum radio frequency tolerance for Fixed Station of Single Side Band (SSB) is 50 Hz, while for Mobile Station is 40 Hz;
 - g. maximum emission power is:
 - 1. 12 Watt Peak Envelope Power (PEP);
 - In this case PEP is average power supplied to antenna transmission channel by a transmitter during one period of radio frequency, at peak envelope modulation occurring at normal operation condition.
 - Emission power referred to in point g must not be exceeded in all operation conditions and all modulation conditions because excess emission power will cause disturbance in other connection system;
 - i. spurious emission and maximum harmonious wave is 50 decibel below emission power.
 - j. bandwidth for each canal is 2.8 kHz (2K80J3E).

- (1) Radio frequency canal allowed at VHF (*Very High Frequency*) band for KRAP provision is radio frequency of 142.000 MHz up to 143.600 MHz with channel space of 20 KHz.
- (2) Radio frequency canal allowed at VHF band for KRAP provision using repeater at radio frequency:
 - a. RX: 142.000 MHz and 142.025 MHz;
 - b. TX: 143.550 MHz and 143.575 MHz.
- (3) Repeater is used for the need of the Organization.
- (4) The provisions regarding VHF band usage referred to in paragraph (1) are as follows:
 - a. radio frequency referred to in paragraph (2) is radio frequency with wave carrier of radio frequency modulation for radio telephone communication;
 - frequency band with canal referred to in point a is frequency band used jointly and is not specific for one license holder and is also not protected from electromagnetic harmful interference;
 - c. each frequency canal may also be used for transmitting emergency messages;
 - d. maximum frequency tolerance :
 - 1. Repeater Fixed Station with maximum emission power of 50 Watt, is 20 parts of 10⁶.
 - 2. Fixed Station and Mobile Station with maximum emission power of 25 Watt, is 15 parts of 10⁶.
 - e. maximum emission power:
 - 1. Repeater Equipment : 50 Watt;
 - 2. Mother Equipment: 25 Watt;
 - 3. Hand Equipment: 5 Watt.

- f. maximum spread emission:
 - 1. for repeater equipment: 60 decibel (1 milli Watt);
 - 2. for mother equipment and hand equipment : 40 decibel (25 microwatt).
- g. maximum bandwidth: 16 kHz;
- h. emission class allowed at VHF band is F3E for radio telephone communication.

CHAPTER VI

TECHNICAL REQUIREMENTS

Article 20

- (1) IKRAP holder when using equipment or tools of radio station must master the method of their operation..
- (2) The technical requirement referred to in this Ministerial Decree is the minimum requirement for KRAP provision.
- (3) When it is necessary, the Director General may define additional requirement.

Article 21

IKRAP holder shall see to it that the emission done through his emission equipment does not exceed the limit of radio frequency band, emission power, emission class and bandwidth determined for KRAP provision.

Article 22

Antenna used shall comply with the requirements, i.e.:

 a. vertical and horizontal polarization at VHF band with maximum wave length of 5/8 lambda;

- b. vertical polarization at VHF band with maximum wave length of 7/8 lambda;
- c. antenna installed at antenna building for KRAP fixed station, its height must fulfil the following conditions:
 - 1. KRAP antenna installed on storeyed building, must not exceed eleven (11) meters;
 - 2. KRAP antenna installed around the coastal or airport radio station shall take into account the special provision defined by the authorized agency in the sea or air voyage safety;
 - KRAP antenna installed inside or around the area of coastal or airport radio station may only be done with the permission of harbour master or authorized officer at the concerned airport.
- d. the antenna building must be strong, does not endanger the safety of the public and must abide by the regulation of the city structure or the rules of the local government;
- e. the height of the antenna of KRAP mobile station must take into account the security against the danger of electrical current network.

- (1) For the sake of KRAP provision, the Organization may establish Repeater Radio Station on condition that it complies with the technical provision of tools and equipment referred to in Article 19.
- (2) The establishment of Repeater Radio Station referred to in paragraph (1) is reported to the Director General.

CHAPTER VII

DIRECTION AND SUPERVISION

Article 24

(1) The Director General conducts direction and supervision on the implementation of this Ministerial Decree.

- (2) The supervision referred to in paragraph (1) is implemented by Technical Implementation Unit (UPT) assisted by the Organization of Regional Level.
- (3) In implementing the supervision referred to in paragraph (2), the UPT may perform coordination with related agencies.

In the event that an IKRAP owner knows or informed that his radio emission creates disturbance to other radio communication station or to electronic device of the community, he shall immediately cease his radio emission activities and try to eliminate the disturbance as soon as possible.

Article 26

In the event that an IKRAP owner violates and does not obey the provision of this Ministerial Decree, the Organization may report the case and propose to the Director General to take action of revoking his license.

Article 27

- (1) The supervision referred to in Article 24 paragraph (2) covers administrative and technical supervision.
- (2) The supervision referred to in paragraph (1) may be done by way of :
 - a. examining the original of the IKRAP;
 - b. examining the technical provision of the installation of the IKRAP station; and
 - c. testing the emission to some specified radio frequencies.

Article 28

(1) The Organization and all its members must assist the Government in supervising the use of KRAP radio frequency

- against the possibility of disturbance and report the case in writing to UPT Head.
- (2) Each RAPI member must inform other RAPI members of the case that creates disturbance towards other radio communication stations or deviates from the prevailing provision.

The Organization shall submit an annual report on the activities of the Organization to the Director General.

CHAPTER VIII

SANCTIONS

Article 30

- (1) Any body that violates the provisions of Article 4, Article 10 paragraphs (1) and (3), and Article 21 of this Ministerial Decree may be given administrative sanctions in the form of revocation of his license in accordance with the provisions of prevailing regulation.
- (2) The revocation of the license referred to in paragraph (1) is done if the IKRAP owner does not pay attention to the written warning provided two (2) times consecutively with the interval of the respective warnings of fifteen (15) work days.
- (3) In addition to the license revocation referred to in paragraph (1), the Director General may abrogate the IKRAP owned by a RAPI member that has obtained definitive decision from the State Court on the violation of heavy crime.

CHAPTER IX

TRANSITIONAL PROVISION

- (1) IKRAP and/or the old callsign is still valid and adjusted by stages.
- (2) In case of the provision of double callsigns, adjustment must be made thereon.

CHAPTER X

FINAL PROVISIONS

Article 32

By the coming to force of this Ministerial Decree:

- the Decision of the Minister of Communication Number: KM. 77
 Year 2003 on Guide to the Activities of Inter-Inhabitant Radio
 Communication;
- 2. Circular Letter of the Minister of Communication and Information Technology Number 97/M.KOMINFO/2008 Dated 23 April 2008 on Provision of Radio Amateur and Inter-Inhabitant Radio Communication; and
- 3. All the provisions of other Regulations that govern the KRAP provision which are contradictory to this Ministerial Decree;

are abrogated and declared no more valid.

Article 33

This Ministerial Decree shall come into force on the date of its ratification.

In order to make known to every body, instruct the promulgation of this Ministerial Decree by placing it in the State Announcement of the Republic of Indonesia.

Done at: JAKARTA
On: August 31, 2009

MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY,

Signed

MOHAMMAD NUH

ATTACHMENT I: DECREE OF THE MINISTER OF COMMUNICATION

AND INFORMATION TECHNOLOGY

NUMBER: 34/PER/M.KOMINFO/8/2009

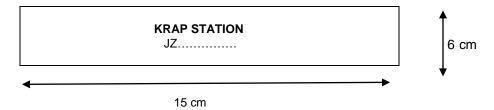
DATE : August 31, 2009

SIGN OF IDENTITY INTER-INHABITANT RADIO COMMUNICATION STATION

- I. INTER-INHABITANT RADIO COMMUNICATION FIXED STATION
 - 1. Name Board with the following provisions:
 - a. Rectangle form
 - b. Size: 50 x 30 cm
 - c. Vertical block letter
 - d. Based colour: green with black writing
 - 2. Installed in such a way that can easily be seen from outside road

INTER-INHABITANT RADIO COMUNICATION STATION JZ	20 cm
Validity period of KRAP License	10 cm

- II. INTER-INHABITANT RADIO COMMUNICATION LAND MOBILE STATION
 - 1. Sticker with the following provisions:
 - a. Rectangle form
 - b. Size: 51 x 6 cm
 - c. Vertical block letter
 - d. Based colour green with black writing
 - 2. Placed in such a way that it can easily be seen.



MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY,

Signed

MOHAMMAD NUH

ATTACHMENT II: DECREE OF THE MINISTER OF COMMUNICATION

AND INFORMATION TECHNOLOGY

NUMBER: 34/PER/M.KOMINFO/8/2009

DATE : August 31, 2009

SAMPLE OF LICENSE OF INTER-INHABITANT RADIO COMMUNICATION





TECHNICAL SPECIFICATIONS OF INTER-INHABITANT RADIO COMMUNICATION LICENSE



MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY,

Signed

MOHAMMAD NUH

ATTACHMENT III: DECREE OF THE MINISTER OF COMMUNICATION

AND INFORMATION TECHNOLOGY NUMBER : 34/PER/M.KOMINFO/8/2009 DATE : August 31, 2009 To: Subject: Application for IKRAP a. New b. Renewal c. Prolongation Director General of Post and Telecommunication Jl. Medan Merdeka Barat No. 17 Jakarta 10110 The undersigned: a. Full Name : : (Male/Female) b. Sex Place /Date of Birth: C. c. Profession : d. Home addressPost Cod**e**..... herewith submit an application for a license of Indonesian Inter-Inhabitant Radio Communication (IKRAP) on the basis of : a. New IKRAP: b. Renewed IKRAP; c. Prolonged IKRAP in line with the (old) IKRAP/Declaration Letter from the Police (*) Number;.....Date..... For your consideration, attached please find: a. Photocopy of Personal Identity/Other Identity; b. A Statement of Good Conduct from the Police; c. Photocopy/Original of IKRAP; d. Four (4) copies of black and white passport size photographs of 2 x 3 cm; e. Proof of Postal Giro Payment; Brochure/Specifications of Communication Radio Equipment; A Declaration Letter of Willingness to become RAPI Member. Done at JAKARTA On (Date): **APPLICANT**

NOTE:

Revenue Stamp of Rp.6000.-

- Filled-in in block/printed letter
- (*) Delete whichever inapplicable

(.....)

MINISTER OF COMMUNICATION AND INFORMATION TECHNOLOGY Signed

MOHAMMAD NUH