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FORM

62

AUSTRALIAN MILITARY FORCES

26 / 3 / 21

Quote in Reply

661/1

ADDRESS

201 Sig Sqn (Overseas)
 HQ Aust Army Forces
 PARELF
 c/o GPO SINGAPORE
 4 Jun 64

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101 Wrls Regt
 AMQ CANDERRA (through 101 Wrls Regt)
 GCO SINGAPORE

HQ PARELF (Int)

Copy to:-REPORT ON VISIT KUCHING ON 27 MAY 64

1. The OC 201 Sig Sqn in the company of GCO and CI Int visited KUCHING on 27 May 64 for the purpose of examining the best way to achieve the required build up of SIGINT resources.

2. After examining a number of possible solutions the following was accepted as the best:-

- (a) Build up on a temporary basis in the existing site at SEMENGO Camp using additional rooms of the basha hut for administrative and sleeping accommodation. Additional operational build up to be achieved by use of one 1-ton four double intercept position vehicle, one cipher trailer for a workshop and one 1-ton vehicle for traffic analysis. (See Annex A) Communications to be "off line" from the cipher room of the Bde Signal in KUCHING town; and
- (b) In four to five months move to new operational and living accommodation in a new AA Bty HQ camp being constructed about 800 yards off the KUCHING end of the airfield. These buildings to be what is known as "Australian huts" (ie) weatherboard sides with galvanised iron roof.

Temporary Build-up3. Vehicles

Will need to move 2 x 1-ton vehicles plus cipher trailer to KUCHING. This will leave one x 1-ton four double position intercept vehicle and one cipher trailer plus one dual 3½ KVA generator for local emergency action in or from SINGAPORE. The intercept vehicle and trailer will be airconditioned but the TA vehicle will not be; will require two fans for it. One of the vehicles of will also be required.

4. Accommodation

Will require seven rooms in the existing basha hut which will be available. Arranged by DAA and QMC at Bde HQ.

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6.

Personnel

Annex A is a sketch of the temporary area which will require, to man it and the communications, up to one officer and 26 as follows:-

- (a) 2 Cipher Operators (Cpls);
- (b) 1 Elec Tech (Sgt);
- (c) 1 Radio Tech (Cpl);
- (d) 2 ANSI for TA (Lep1)s
- (e) 2 RS (Sgt)s;
- (f) 12 Ops Specialist (Cpls or Sigs);
- (g) 2 Voice Ops (if required) (Sgt or Cpls);
- (h) 1 OC (Capt);
- (i) 1 Clerk or Tp Sgt (Sgt or Lep1);
- (k) 1 Drr (Sig); and
- (m) 1 Cook (not on establishment as should be provided by PARKIF).

7.

Works(a) Through DCRB resources

- (i) Install three 240V 15 amp 3 square pin power outlets in existing operations room or on verandah outside operations room for power for vehicles; and
- (ii) Provide eleven concrete blocks each 3-feet long by 18-inches wide by 6-inches deep for the vehicle to stand upon. These blocks will be positioned by the detachment after the vehicle arrive.

(b) By 201 Six Sq in conjunction with USC200

- (i) Install one double ARSS position to make a total of four in the existing operations room;
- (ii) Install additional Plessey FV14C multi-coupler in existing operations room; and
- (iii) Fit cipher trailer as a workshop. Some additional test equipment will be required.

8. Power

Standby emergency power can be provided by moving the GKVA generator on charge to 662 Sig Tp to KUCHING.

9. Stores and equipment required

Full details are shown in Annex C but briefly they are:-

- (a) Move two one ton vehicles and one cipher trailer on charge to "ATroop of 201 Sig Sqn" to KUCHING. These vehicles and all fittings less 6 x ARSSs were provided by UK Army on a no charge basis against Unit Account No. UK/FE/2115/2/62(W). It is proposed to sub-account items from this account to 662 Sig Tp as soon as feasible if proposal is accepted;
- (b) Move one $\frac{1}{2}$ or $\frac{1}{4}$ FFR Landrover and one GKVA trailer mounted generator belonging to 662 Sig Tp to KUCHING as soon as possible after arrival 662 Sig Tp in SINGAPORE;
- (c) Install fourth rack, provided from local resources, and fit 2 x ARSS from UKC 200 stocks ex GCHQ. Also install one PV14C multi-coupler required from GCHQ;
- (d) Install two desk type or wall fitting fans in TA vehicles. Fans will have to be supplied preferably locally;
- (e) Install workshop trailer with bench and test equipment. Test equipment will be required from UK Army or GCHQ resources. Unit account No. UK/FE/2115/2/62(W) has these items included but most have not been supplied;
- (f) Provide seen stores such as safes, cabinets, tables and chairs. At least one and preferably two typewriters will be required; and
- (g) Provide communications equipment and storage facilities. Use of two by Recker 3 on charge to West Bde or two Recker 2 on charge to 201 Sig Sqn plus tape splitters and telegraph equipment.

10. Annex B is in two parts. This is shown because emergency buildup at both KUCHING and LABUAN is necessary from essentially UK resources. The equipment used at LABUAN should then be transferred to KUCHING for the final installation when equipment from AUSTRALIA is available and installed at LABUAN except:-

- (a) Annex B para 7(e) to (j) both inclusive;
- (b) Annex B para 8;
- (c) Possibly Annex B para 9 (g); and
- (d) Annex B para 10 (d) to (m) both inclusive. Items (l) and (m) would possibly be spare as they are only required for ARSS receivers.

Final Build-Up

11. This to be in the new AA Bty HQ camp and will require:-
- (a) Living accommodation for:-
 - (i) One officer permanently and one additional officer on occasions of normally two weeks;
 - (ii) Six senior NCOs permanently with facilities to increase to eight; and
 - (iii) Twenty four GS permanently and up to twenty eight during changeover for R/R programme.
 - (b) An aerial farm. Details of size, location, types and numbers of aerials will have to be determined when camp site plan and tasking is known;
 - (c) Operational building in accordance with Annex C attached;
 - (d) Administrative facilities including:-
 - (i) Office for OC of
 - (ii) Troop Orderly Room;
 - (iii) Troop Store;
 - (iv) Parking area for two vehicles and trailers; and
 - (v) Area, adjacent to operational building, for generator for auxiliary power.
 - (e) Security fence around operational building.

12. Stores and Equipment

The only additional stores and equipment required providing all stores per Annex C are available and transferred per para 10 above are:-

- (a) Communications Equipment
 - (i) Two SIEMENS T100 or equivalent unless items supplied for LABUAN can be transferred;
 - (ii) 3 x BID 30 equipments when 2 x GIC circuits available;
 - (iii) 2 x Recker Mk2 ex 201 Sig Sqn as standby for GIC equipments unless the Recker Mk2 on charge to West Bde can be transferred; and
 - (iv) Test equipment for repair of cipher and telegraph equipment.

- (b) Technical equipment

Nil unless local processing is necessary when perhaps an extra recorder from stocks will be required.

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(c) Aerials

All aerial masts, aerials, feeders (co-axial cable)
and perhaps amplifiers;

(d) Accommodation Stores

- (i) Two combination safes; and
- (ii) Extra chairs, tables etc.

(e) Weapons

The entitlement of weapons for will
be required.

12. Personnel

In addition to para 6 the only additional personnel
will be extra operators as required by the tasking of the station
and emergency processing staff. The number could be up to five.

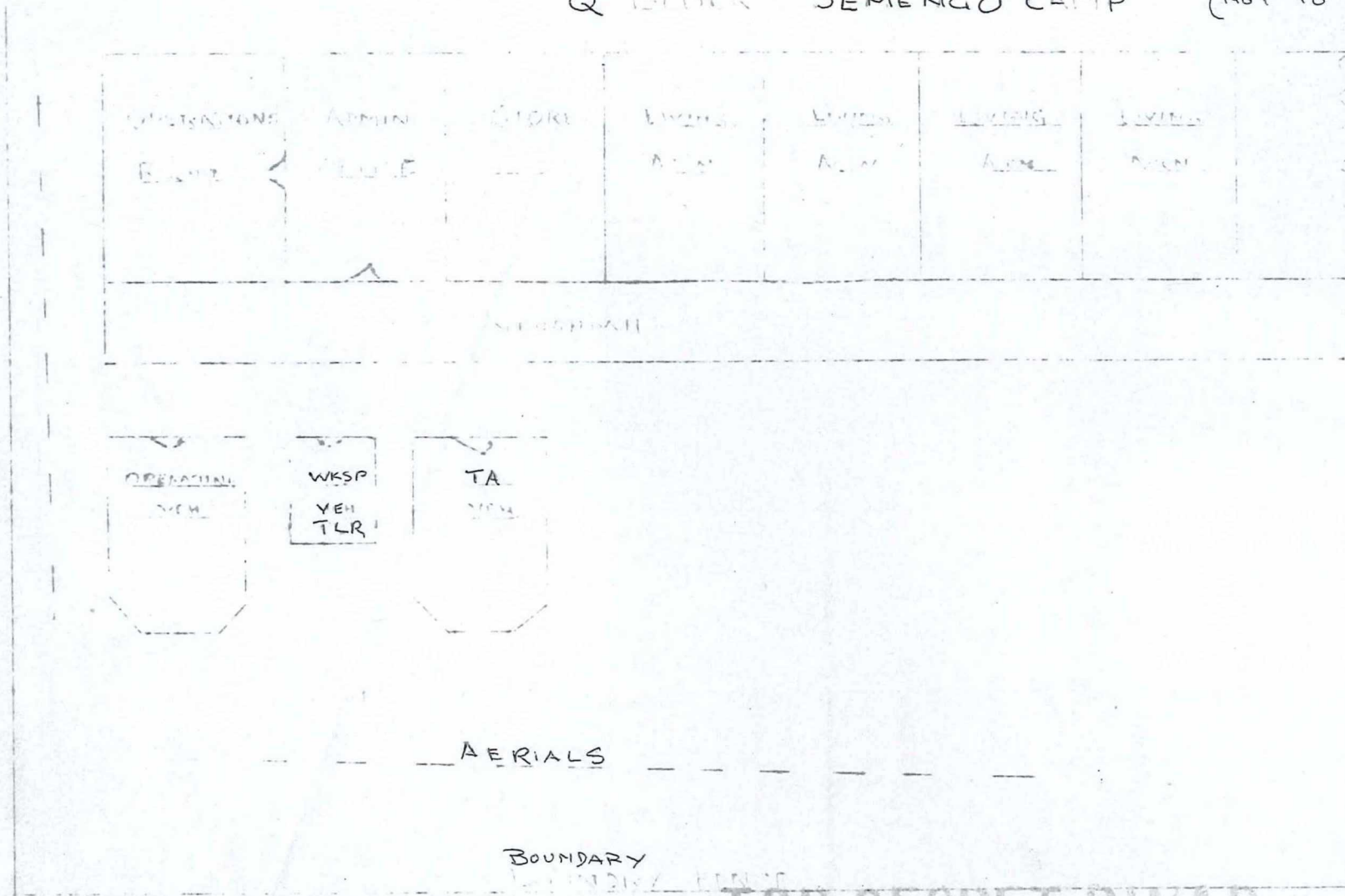
OC 401 Sig Sqn (Overseas) ^{Maj}
(R N CONDER)

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6511 - 8 June 68

PLAN OF OPERATIONS
Q BLOCK SEMENGO CAMP (NOT TO SCALE)



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Annexure B to ROL Sig Sqn
(overseas) 651/1 dated
Jun 64.

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STORES, EQUIPMENT AND VEHICLES
FOR EMERGENCY BUILDUP

KUCHING

1. Held on charge on Unit Account No. EE/FE/2115/2/62(W)
that are required and can be spared:-

| | | |
|-----|--|----|
| (a) | Tool Kit elect basic | 1 |
| (b) | Tool Kit telecom basic | 1 |
| (c) | Tool Kit telecom supplementary | 1 |
| (d) | Tool Kit unit B vehicles | 1 |
| (e) | Boxes mobile office | 1 |
| (f) | Boxes stationary telegraph equipment unit B | 1 |
| (g) | Chairs folding flat | 6 |
| (h) | Compass prismatic liquid Mk3 | 1 |
| (i) | Receivers headgear double No.5 | 15 |
| (k) | Amplifier type A1977 Plessey | 1 |
| (l) | Instruments testing Ave 50 range | 1 |
| (m) | Outfits first aid | 1 |
| (n) | Typewriter portable | 1 |
| (o) | Machines stapling | 1 |
| (p) | Trucks 1-ton GS Wrls | 2 |
| (q) | Trailer two wheeled signals | 1 |
| (r) | Trailer 4-ton cargo | 1 |

2. Shown on unit account No. EE/FE/2115/2/62(W) but not
supplied. Items 2(d) to 2(n) have been marked "not available":-

| | | | |
|-----|---|----|-----------------------|
| (a) | Pistols revolver No.2 Mk 1/2 | 2 | } Indent submitted |
| (b) | Guns, submachine Gun L9A1, L9A2 or L9A3 | 5 | |
| (c) | Rifles, 7.62mm L8E1, XE85 or L1A1 | 15 | |
| (d) | Teleprinter Siemens type T100/R with accessories | 2 | |
| (e) | Mast, 36/48 steel lightweight No.1 | 3 | |
| (f) | Mast, 36/48 steel lightweight erecting gear kit | 3 | |
| (g) | Testers valve, CT, 160 equipment | | |
| (h) | Signal generator No. 1 Mk 3 equipment | | |
| (j) | Voltmeter, valve, No 2, CT 202 equipment | 1 | |
| (k) | Wattmeter, absorption, AF, No 1, CT44 equipment | 1 | |
| (l) | Oscilloscope, CT 436 | 1 | |
| (m) | Frequency meter SCR211 | 1 | |
| (n) | Typewriters portable | 1 | |

3. The civilian alternative to items 2(g) to (l) as
used at CK2 are:-

- (a) For 2(g) Ave valve characteristic meter;
- (b) For 2(h) Standard Sig Generator TF144M (Marconi
Instr Ltd);
- (c) For 2(j) Vacuum tube voltmeter TF1300 (Marconi
Instr Ltd);
- (d) For 2(k) Output power meter TF232A or TF340
(Marconi Instr Ltd); and
- (e) For 2(l) Oscillograph model 1036 Mk II (Cossor
Instr Ltd) or
Oscilloscope Type 13 (Erskine Labs Ltd).

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4. On charge to and requested be moved to
SINGAPORE for employment in BORNEO:-

- (a) Truck $\frac{1}{2}$ or $\frac{3}{4}$ ton FFR;
- (b) Generator 6KVA Trailer mounted;
- (c) 3 x tape recorders; and
- (d) 4 x 36-ft aerial masts.

5. In use; requested or required desirably through
UKC 200:-

- (a) AR22 Receivers = 2 in location incl 2 spares.
2 in vehicle.
2 for extra rack.
- (b) Plessey PY24C multi-couplers = 1 in location.
1 required and
requested from GCHQ.
- (c) Racks = 3 in location.
1 being made in SINGAPORE.
- (d) Special panels A, AB, B frequency = 3 in location.
1 to be built
at UKC 200.
- (e) Ganging oscillator model 343 (AC Cesser Ltd) = 1
not requested as yet.
- (f) Two microphones and two trolleys for tape recorders
if not brought from HONG KONG

6. Required from UK Army resources:-

- (a) Section KE/KE 18975, Cabinet Card Index steel
3' x 3' four drawer with lock. - 1
- (b) Section KE/7110-29-243-5627, Cabinets Vertical
filing steel four drawer with lock. - 2
- (c) Section KE/KE 18624, Cupboard steel 6' 3" with
combination lock. - 2
- (d) Section KE/KE 18625, Cupboard steel 6' 3" with
detector lock. - 2
- (e) Clock 24 hour. - 2
- (f) Fans, desk or wall type, for TA vehicle. - 2

LABUAE

7. Held on charge on Unit Account No. KE/FE/2115/2/62(W)
that are required and can be spared:-

- (a) Boxes stationery telegraph equipment unit B - 1
- (b) Chairs folding flat - 4
- (c) Compass prismatic liquid - 1
- (d) Trucks $\frac{1}{2}$ ton FFR - 1
- (e) Trailer $\frac{1}{2}$ ton cargo - 1
- (f) Generator sets AC 3 $\frac{1}{2}$ KVA 230V (trailer
mounted) - 2
- (g) Pistols revolver No.2 Mk 1/2 - 2
- (h) Guns submachine, 9mm - 7
- (j) Rifles 7.62mm - 20

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8. Held on unit Account No. Q186 that can be spared:-
- (a) Kits telecon mechanic - 1
 - (b) Multimeter electronic AWA type A56010 Voltchymyst- 1
 - (c) Signal Generator Aust No. 1 Mk3 - 1
9. In use, requested or required desirably through UKC
200:-
- (a) Receivers headgear - 15
 - (b) Plessey PVL4C multi-couplers - 1 in location.
1 believed spare
at UKC 200.
1 requested from
GCHQ.
 - (c) Racks - 4 in location.
2 being made in
SINGAPORE.
 - (d) Special panels; A, AB, B; frequency
meter and aerial switching - 4 in location.
2 to be built
at UKC 200.
 - (e) ARSS Receivers - 9 in location.
5 for extra rack.
 - (f) Frequency meter SCR211 - 1 in location.
 - (g) Tape recorders (No microphones
or trolleys available here) - 1 in location.
1 from UKC 200
resources.
10. Necessary and required to be supplied from either
AUSTRALIAN or UK Army resources:-
- (a) Machine typewriting foolscap - 1
 - (b) Outfits first aid - 1
 - (c) Tool Kit unit B vehicles - 1
 - (d) Section KE/KE 18975 Cabinets Card index steel
5' x 3' four drawer with lock. - 2
 - (e) Section KE/7110.99-942-5637, Cabinets vertical
filing steel four drawer with lock - 4
 - (f) Section KE/KE, Cupboard steel 6' x 3' with
combination lock - 4
 - (g) Section KE/KE, Cupboard steel 6' x 3' with
detector lock - 2
 - (h) Wattmeter Absorption AF - 1) Desirably
 - (i) Noise generator TF 1106 - 1) from
 - (j) AWA RC oscillator - 1) AUSTRALIA.
 - (k) Ganging oscillator model 343 - 1
 - (l) Oscillograph model 1035 Mk II - 1
 - (m) Clock 24 hour signal - 2
 - (n) Tape splitters for Roctex Mk2 - 2 (Required
urgently).

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MOBILE TECHNICAL STORES FOR BOTH SITES

11. From Unit Account No. HT/FE/2115/2/62(V). These stores
are held in SINGAPORE:-

| | | |
|-----|---|------|
| (a) | Watches wrist waterproof | - 3 |
| (b) | Lamps electric No. 1 | - 4 |
| (c) | Telephone sets 1 Mk 1 | - 4 |
| (d) | Cable electric D10 twisted 1 mile coils | - 4 |
| (e) | Reels cable No. 5 Mk 1 | - 1 |
| (f) | Lamps operator No. 3 | - 4 |
| (g) | Instruments testing Avomitor | - 1 |
| (h) | Batteries 12V 15AH lead acid | - 12 |

12. From Account No. Q125. Available in SINGAPORE:-

| | | |
|-----|--|-----|
| (a) | Recorder reproducer set sound AN/PMM4 | - 4 |
| (b) | Radio Sets C11/R210 with installation kits | - 2 |
| (c) | Reception set R210 | - 1 |
| (d) | Set Kit R215 Reception set No 1 | - 2 |
| (e) | Generating sets 300W 24V Bty | - 2 |
| (f) | Radio set C42 with installation kit | - 2 |
| (g) | Supply unit vibratory No. 12 24V input Mk2 | - 2 |

12. On charge to 201 Sig Sqn.

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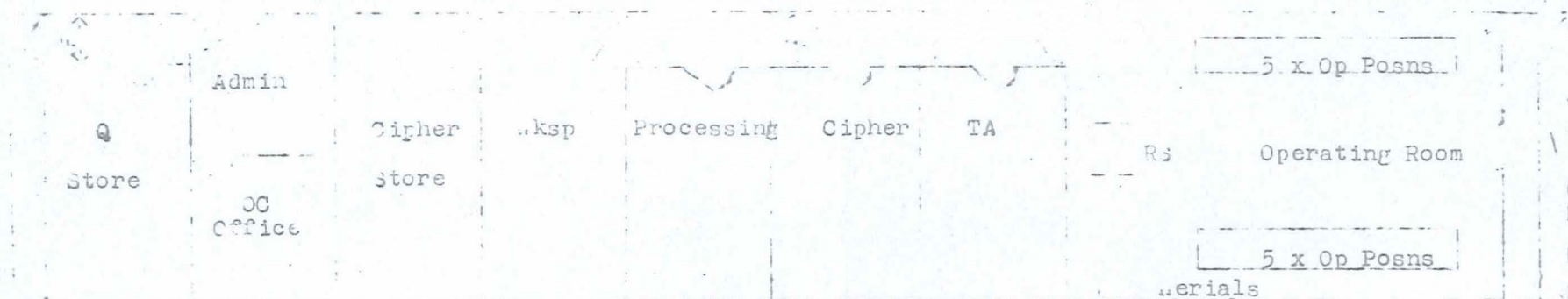
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6514 01 June 64

PROPOSED OPERATIONAL AND ADMIN BUILDING - KUCHING

STANDARD HNT TROPICAL MK2 (LIST) - 110' X 18'



Notes:

1. All rooms except Admin, OC office and Q store to have sealed and painted windows and to be fully lined.
2. Admin office, OC office and Q store to have XPM (arc mesh) over windows and ceiling fans.
3. All rooms except Q store, Admin, OC office to be air conditioned.
4. The Cipher room, Processing room and Cipher store to have XPM on all surfaces preferably above ceiling and on outer edge of wall.
5. Steel lined doors with special locks to be fitted to Cipher, Processing, Cipher store and external entrance to Operating room

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