

Annex-3

Final Items requested by Philippines

Component	Project Sites			
	Head Office (WFFC)	Virac Radar Station	Aparri Radar Station	Guiuan Radar Station
Procurement and Installation of Equipment				
S-Band Doppler Radar System (Solid State Power Amplifier: SSPA) including Power Back-up System, Lightening System, Measuring Equipment and Spare Parts	-	1	1	1
Data Processing and Display Systems including Software	1	1	1	1
Meteorological Data Satellite Communication System (VSAT)	1 (Hub)	1	1	1
Construction of Radar Tower Building				
Construction of a new radar tower building and/or Renovation/Extension on the existing building	-	1	1	1
Engine Generator System	-	2	2	2

* On-the-job training at each project site for the radar system (hardware and software) operation and maintenance are included in the equipment installation.

All the requested equipment for the Project is indicated in the Schematic Diagram attached hereunder.

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Japan's Grant Aid

The Grant Aid Scheme provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. The Grant Aid is not supplied through the donation of materials as such.

(1) Grant Aid Procedures

- 1) Japan's Grant Aid Scheme is executed through the following procedures:
 - Application (Request made by a recipient country)
 - Study (Basic Design Study conducted by JICA)
 - Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
 - Determination of Implementation (The Notes exchanged between the Governments of Japan and the recipient country)
 - Implementation (Implementation of the Project)

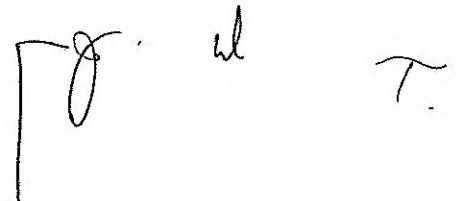
- 2) Firstly, the application or a request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Japan's Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study), using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Scheme, based on the Basic Design Study report prepared by JICA, and the results are then submitted to the Cabinet for approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and the recipient country.

Finally, for the implementation of the project, JICA assists the recipient country in such matters as preparing tenders, contracts and so on.

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(2) Basic Design Study

1) Contents of the Study

The aim of the Basic Design Study conducted by JICA on a requested project (hereinafter referred to as “the Project”) is to provide a basic document necessary for the appraisal of the Project by the Japanese Government. The contents of the Basic Design Study are as follows:

- i) Confirmation of the background, objectives, and benefits of the requested Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project’s implementation,
- ii) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economical point of view,
- iii) Confirmation of items agreed on by both parties concerning the basic concept of the Project,
- iv) Preparation of a basic design of the Project,
- v) Estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid Project. The Basic Design of the Project is confirmed considering the guidelines of Japan’s Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whatever measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

2) Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA selects (a) firm(s) based on proposals submitted by interested firms. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consulting firm(s) used for the Basic Design Study is (are) recommended by JICA to the

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recipient country to also work in the Project's implementation after the Exchange of Notes, in order to maintain technical consistency.

(3) Japan's Grant Aid Scheme

1) Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

2) "The period of the Grant Aid" means the one Japanese fiscal year which the Cabinet approves the Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed. However in case of delays in delivery, installation or construction due to unforeseen factors such as natural disaster, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

3) Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However the prime contractors, namely, consulting, constructing, and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

4) Necessity of the "Verification"

The Government of the recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

5) Undertakings required of the Government of the Recipient Country

In the implementation of the Grant Aid project, the recipient country is required to undertake such necessary measures as the followings:

- i) To secure land necessary for the sites of the Project and to clear, level and reclaim the land prior to commencement of the Project.

- ii) To provide facilities for the distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- iii) To secure buildings prior to the procurement in case the installation of the equipment.
- iv) To ensure all the expenses and prompt execution for unloading, customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- v) To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- vi) To accord Japanese nationals whose services may be required in connection with the supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work.

6) "Proper Use"

The recipient country is required to maintain and use the facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

7) Re-export"

The products purchased under the Grant Aid should not be re-exported from the recipient country.

8) Banking Arrangement (B/A)

i) The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in a bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

ii) The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay (A/P) issued by the Government of

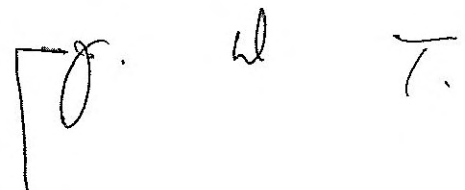
the recipient country or its designated authority.

9) Authorization to Pay (A/P)

The Government of the recipient country should bear an advising commission of an Authorization to Pay and payment commissions to the Bank.

(End)

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Major Undertakings to be taken by Each Government

No.	Items	To be covered by Grant Aid	To be covered by Philippines Side
1	To secure land		●
2	To clear, level and reclaim the site when needed		●
3	To construct gates and fences in and around the site		●
4	To construct the parking lot	●	
5	To construct roads	●	
	1) Within the site		●
	2) Outside the site	●	
6	To construct the building		
7	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities		
	1) Electricity		●
	a. The distributing line to the site	●	
	b. The drop wiring and internal wiring within the site	●	
	c. The main circuit breaker and transformer		
	2) Water Supply		●
	a. The city water distribution main to the site	●	
	b. The supply system within the site (receiving and elevated tanks)		
	3) Drainage		●
	a. The city drainage main (for storm sewer and others to the site)		
	b. The drainage system (for toilet sewer, ordinary waste, storm drainage and others) within the site	●	
	4) Gas Supply		●
	a. The city gas main to the site	●	
	b. The gas supply system within the site		
	5) Telephone System		●
	a. The telephone trunk line to the main distribution frame/panel (MDF) of the building	●	
	b. The MDF and the extension after the frame/panel		
6) Furniture and Equipment		●	
a. General furniture	●		
b. Project equipment			
8	To bear the following commissions to the Japanese bank for banking services based upon the B/A		●
1)	Advising commission of A/P		●
2)	Payment commission		
9	To ensure unloading and customs clearance at port of disembarkation in recipient country	●	
	1) Marine (Air) transportation of the products from Japan to the recipient		●
	2) Tax exemption and custom clearance of the products at the port of disembarkation	●	
	3) Internal transportation from the port of disembarkation to the project site		
10	To accord Japanese nationals, whose service may be required in connection with the supply of the products and the services under the verified contract, such facilities as may be necessary for their entry into the recipient country and stay therein for the performance of their work		●
11	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in the recipient country with respect to the supply of the products and services under the verified contracts		●
12	To maintain and use properly and effectively the facilities contracted and equipment provided under the Grant		●
13	To bear all the expenses, other than those to be borne by the Grant, necessary for construction of the facilities as well as for the transportation and installation of the equipment		●

(B/A: Banking Arrangement, A/P: Authorization to pay)

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Annex-5

Check List of VSAT System transferred from the Department of Agriculture (DOA)

Item	Conditions
Antenna	Availability of Antenna Unit <ul style="list-style-type: none"> - Antenna Dish - Support Arm of Feeder - Pedestal
	No damage on the face of an antenna dish
	Feasibility of Antenna modification against 250kph Wind velocity
	Feasibility of installation on the roof of a Radar Tower Building to be constructed
ODU	Availability of ODU <ul style="list-style-type: none"> - BUC - LNB - Feeder - Wave Guide - Cables between ODU-Antenna and ODU-IDU - Arrester Unit between ODU and IDU
	Availability of IDU <ul style="list-style-type: none"> - Modem - Power Supply Unit for ODU - Installation Rack
IDU	The all modems for each Radar Observation Station and PAGASA WFFC must be the same model or the manufacturer's guarantee (PAGASA existing VSAT systems) on connecting all the modems through a telecommunication satellite must be available.
	Required Ethernet port: 1 (+1 spare) or more
	Required Ethernet Router Function <Data Routing (Control Plane)> Setup Range of Routing Table: 2 hops or more (PAGASA WFFC), 1 hop or more (each Radar Observation Station) *hop: Nos. of forwarding router <Gateway (Forwarding Plane)> Discarding the date transmitted from unknown IP address
	Minimum requirement of data transmission speed between each Radar Observation Station and PAGASA WFFC: 64kbps
Availability of the required technical countermeasure of TDMA (Time Division Multiple Access) for VSAT system failure or transmission time delay which hamper whole VSAT network communication.	

* The PAGASA VSAT System transferred from the Department of Agriculture (DOA) must be satisfied all the conditions indicated in the above table for utilizing in the Project

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**Responsibility Classification for Implementation of the Project
in case that the Project has been approved by the Government of Japan**

Table: Scope of Works for Modernization of the Meteorological Radar Observation Station

	By PAGASA	By the Japan's Grant Aid
Required Facilities for the Meteorological Radar Observation Station		
Partial demolition and renovation of the existing buildings for establishing a new Staff Quarter	○	—
Construction of a new Radar Tower Building for installation of a new Radar System	—	○
Required items for implementation of the Project		
Demolishment of the existing facilities to be obstructed for the Project	○	—
Shifting the existing facilities and equipment such as observation filed, flag pole, radar system, etc.	○	—
Repairing the existing boundary wall or fence and gate	○	—
Re-wiring for power cable	○	—
Construction of an access road	○	—
Repairing the existing pavement	○	—
Construction of pavements for the Staff Quarter	○	—
Construction of pavements for the Radar Tower Building	—	○
Furniture for the Staff Quarter	○	—
Furniture for the Radar Tower Building	—	○
Installation of step-down transformer(s) for 150kVA power supply for the Radar Tower Building	○	—
Required Equipment		
Equipment such as PC terminal(s), printers, PC peripherals SSB, etc. required for the routine works at the Staff Quarter	○	—
Radar System including power regulating and supply equipment, 2 engine generators, PC terminals, printers, PC peripherals for the Radar Tower Building	—	○
Repairing/brushing up the existing engine generators for the Staff Quarter	○	—

Table: Rooms to be established in the following buildings

Staff Quarter	Radar Tower Building
<ul style="list-style-type: none"> • Routine work office(s) • Bed rooms • Kitchen with electrical and firewood cookers • Dining room • Toilets • Bath rooms • Engine generator room for power back-up (utilization of the existing engine generators) • Storage, etc. 	<ul style="list-style-type: none"> • Technical rooms required for installation of the radar system, the radar operation (observation) and the radar system maintenance • Toilets, tea kitchen and shower room for 24 hours operation

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Schedule for obtaining ICC approval

Year and month Items	2008							2009
	6	7	8	9	10	11	12	1
Assistance for preparation of ICC Form by the Team								
Explanation of draft report in the Philippines by the Team								
Provision of all the required information for preparation of ICC Form by the Team								
Submission of ICC Form to NEDA by PAGASA								
Dead Line of Approval of ICC for the Project (must be before Christmas) by PAGASA								

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