FORM EPS 1

APPLICATION BY CONSULTANT FOR SYABAS TO CHECK PRODUCT MATERIAL

(To be filled in by Consultant)

To : Head of District, SYABAS District .....

Consultant : _____

Name of Development : _____

File Ref. No. : _____

Date : _____

Approved Plan No. : _____

APPLICATION FOR SYABAS TO CHECK PRODUCT/ MATERIAL

We, ..., the consultant have checked the product/material as per SYABAS's approved list and hereby request to check the product/ material to be used for the above development as follows :-

Material	Product Brand / Name of Supplier	SYABAS Product Certificate No.	Product/Material Details	Location to be used	Remarks by district

Enclosed is a copy of receipt of site inspection fees and attached herewith are necessary product/material brochures and technical specification (or any other supporting documents)

Please give a suitable date for the above products / materials to be inspected.

_____

Consultant Signature, Name and PE No:

For SYABAS District Use

We hereby agree to accept / reject the above list of product/material for the above development and to proceed / not to proceed with site material inspection.

Checked and recommended by,

Signature :_____

Name : _____

Designation : Technical Manager

Date : _____

Accepted by,

Signature : _____

Name : _____

Designation : Head of District

Date : _____

FORM EPS 2

NOTIFICATION OF PRODUCT/MATERIAL INSPECTION

To,

Consultant : _____

Address : _____

_____

Name of Development : _____

File No. : _____

Date : _____

NOTIFICATION OF PRODUCT/MATERIAL INSPECTION

With reference to your application letter for site product/material inspection dated ....., SYABAS wish to inform the site material inspection shall be as follows :-

a). Date : _____

b). Time : _____

c). Place to meet : _____

Please ensure that all products/materials listed in your letter are ready for inspection on the above date.

Signature	: _____	Signature	: _____
Name	: _____	Name	: _____
Designation	: Technical Manager.	Designation	: Head of District SYABAS
Date	: _____	Date	: _____

FORM EPS 3

SYABAS DISTRICT: .....

PIPE MATERIAL INSPECTION REPORT

Name of Development : _____
File No. : _____
Developer : _____
Consultant : _____
Pipe Supplier / Manufacturer : _____
Contractor Name : _____
Instrument Used : Calipers / Ultrasonic Thickness Equipment / Micrometer
Inspection Date : _____
Location To Be Laid : _____
Total number of pipes to be inspected : _____
Delivery Order No : _____

Type of Pipe / Diameter (mm)	Pressure Rating	Minimum Body Thickness (mm)	Pipe No/ ID	Int. Lining Thickness	Thickness Of Pipe (mm)			Remark	
					Socket End	Middle	Spigot End	Passed (/)	Failed (X)

Note: a. Thickness Measurement shall be at random check and not less than 20% of the number of pipes supplied in each delivery order.
b. All new pipes and laid pipes must be end-capped.

a. Recommendation to be used ☐
b. Recommendation to be rejected and removed from site ☐
c. Other remarks: _____

Inspected & measured by: (Consultant)
Name : _____ Post: _____ Signature: _____ Date: _____

a. Approved to be used based on site measurement. ☐
b. Reject to be used and removed from site. ☐
c. Subject to the result of laboratory test on samples. ☐
If samples fail to meet the requirement, the batch materials will be rejected even after constructed and removed at site at their own costs.

General Remarks : _____

Witnessed By : (SYABAS)
Name : _____
Post : Technician / Technical Supervisor Planning/ Development section
Signature : _____
Date : _____

Witnessed By : (SYABAS)
Name : _____
Post : Head of Planning/ Development Section
Signature : _____
Date : _____

FORM EPS 3A

SYABAS DISTRICT: .....

WATER FITTING/PIPE SAMPLE FOR TESTING

Name of Development : _____

File No. : _____

Developer : _____

Consultant : _____

Date : _____

We,....., the consultant hereby submit the following water fitting/pipe sample as requested by SYABAS for testing and agree to pay testing charges as imposed by the testing body /agency.

Type of water fittings/pipes		Sample No	Units Nos	Dimension Size mm	SYABAS Certificate No.	Name of Supplier/ manufacturer	To be filled in by SYABAS AFTER RESULT	
							Pass (/)	Fail (x)

Note : a. The certified test result of the selected sample issued by accredited laboratories need to be attached later.

We hereby agree to abide the outcome of the test result as follows: _

1. We accept the outcome of the test result of the sample submitted for testing.
2. We accept that any sample that does not pass any specified requirement will result in the whole batch of materials to be rejected and removed from site at developer's own cost.

Agreed by : (Consultant) Signature : _____
Name : _____ Designation : _____ Date: _____

Agreed by : (Developer) Signature : _____
Name : _____ Designation : _____ Date: _____

(SYABAS TO FILL IN AFTER RESULTS)

a). Approved to be used based on test result.
b). Rejected and to be removed from site.
c). Samples fail to meet the requirement. The batch materials will be rejected, even though constructed, and removed from site at developer's own costs.

Checked by : (SYABAS)

Signature : _____
Name : _____
Designation : Technician/ Technical Supervisor
District Planning/ Development Section
Date : _____

Endorsed by : (SYABAS)

Signature : _____
Name : _____
Designation : District Head of Planning/
Development Section
Date : _____

FORM EPS 4

SYABAS DISTRICT: .....
WATER FITTINGS INSPECTION REPORT (Except for pipes)

Name of Development : _____
Developer : _____
Consultant : _____
Inspection Date : _____
File No. : _____

Type of Fittings	Product Brand	SYABAS Certificate No	Name of supplier	Product Details (Dimensions & Sizes)	Remarks (Visual Inspection) Good / Fair / Poor
a. All types of valves b. All types of specials and fittings c. All types of panel tanks					

General Remarks : _____
(If any defective product is detected, head of planning and development section will report to SYABAS Standard, Material and Product Committee)

Witnessed by : Supplier/Contractor

Name : _____

Designation : _____

Signature : _____

Witnessed by : SYABAS

Name : _____

Designation : Technician/Technical Supervisor
Planning & Development Section

Signature : _____

Witnessed by : Consultant

Name : _____

Designation : _____

Signature : _____

Witnessed by : SYABAS

Name : _____

Designation : Head of Planning &
Development Section

Signature : _____

Logo of consultant firm

FORM EPS 5

FORMAT FOR SITE PROGRESS REPORT BY CONSULTANT

(One copy to SYABAS district and one copy to SYABAS HQ Development Department)

Name of Development : _____

File No. : _____

Name of Consultant : _____

Address : _____

Name of Developer : _____

Date of Submission Report : _____

Period of Reporting : _____

Content of report

1. Location plan (street map) :

2. Layout Plan (A3) :

3. Contract details :

4. Progress Summary Description with actual progress compare to planned progress (Fill where appropriate)
   - i) External Works
     - a. Pipe laying works
     - b. Suction tank
     - c. Pump house
     - d. Reservoir
     - e. Installation of Mechanical works
     - f. Installation of electrical works
     - g. Installation of telemetry system
     - h. Overall progress (actual/schedule)
   - ii) Internal Plumbing
     - a. suction tank
     - b. Storage tank
     - c. Pipe works

5. Quality control
   - a. Material inspection
   - b. Work inspection
   - c. Site testing

6. Progress photographs :

7. Expected Date of Completion :

8. Other Comments :

Prepared by :
Consultant Signature : _____
Name : _____
PE No. : _____
Designation : _____
Date : _____

FORM EPS 6

SYABAS DISTRICT : .....
QUALITY MONITORING BY DISTRICT REPORT
(EXTERNAL WATER SUPPLY SYSTEMS)

Name of Development : _____
File No. : _____
Developer : _____
Consultant : _____
Overall Progress Description : _____
Date of Site Visit : _____

Technical Comments against Specification Requirement (Fill in, where appropriate)

Activity	Acceptable	Unacceptable	Comments
1. Plan Approval and Product approval			
2. Work Permit (Digging)			
3. Traffic management			
4. Safety Measurement (Signboard etc)			
5. Site cleanliness			
6. Excavation			
7. Road Cutting			
8. Capping of pipe end before and after laying			
9. Laying of pipe			
10. Jointing of pipes/valves			
11. Backfilling material			
12. Road reinstatement			
13. Pipe protection internal and external before and after laying			
14. Chamber construction / cover /marker post			
15. Quality Material at site			
16. Slope condition			
17. Drainage within/outside worksite (Compliance to JPS/DOE)			
18. Concreting works			
19. Concrete tests/site tests			
20. Others			

Tick where relevant [√]

Overall findings : _____
Site Instruction to Consultant / Developer : _____
(To be followed up by letter)

Inspected by :
(SYABAS Signature) : _____
Name : _____
Designation : Technician Planning Development
Date : _____

Endorsed by :
(SYABAS Signature) : _____
Name : _____
Designation : Technician Supervisor Planning &Development Section.
Date : _____

Acknowledged By :
(Consultant Signature) : _____
Name : _____
Designation : _____
Date : _____

Acknowledged By :
(Developer Signature) : _____
Name : _____
Designation : _____
Date : _____

FORM EPS 7

APPLICATION BY CONSULTANT FOR SYABAS TO CARRY OUT PIPELINE / RESERVOIR TESTING
(To be filled by Consultant)

To : Head of District, SYABAS Daerah .....

Consultant : _____

Name of Development : _____

File No : _____

Date : _____

APPLICATION FOR SYABAS TO CARRY OUT PIPE/RESERVOIR TESTING

We ..... the consultant has prepared the pipe / reservoir for pressure / leakage / water tightness tests. We have

a)	☐	Cleaned the tank/pipeline
b)	☐	Obtained approval for water source for purposes of pressure and leakage testing from SYABAS
c)	☐	Filled the pipeline/reservoir
d)	☐	Visually inspected and repaired the external condition of the pipe/tank for any sign of leakage
e)	☐	Allowed for concrete absorption
f)	☐	Request to increase the size of flow meter for testing purpose (from ..... mm to ..... mm)
g)	☐	Physical inspection internally (free from debris) for pipe size 700mm and above
h)	☐	Communication pipes, ferrule connections and main pipes are ready for pressure testing.

(Tick, where relevant)

Thank you.

Consultant Signature : _____

Name : _____

PE No : _____

Designation : _____

Date : _____

FORM EPS 7A

NOTIFICATION OF PIPE / RESERVOIR TESTING
(EXTERNAL WATER SUPPLY SYSTEMS)

To,

Consultant : _____

Address : _____

_____

Name of Development : _____

File No. : _____

Date : _____

NOTIFICATION OF PIPELINE / RESERVOIR TESTING

With reference to your application letter for pipeline / reservoir testing dated ....., SYABAS wish to inform the pipeline / reservoir testing shall be as follows :-

a). Date : _____

b). Time : _____

c). Place to meet : _____

Please ensure that the preparation works are ready for testing on the above date.

Signature	: _____	Signature	: _____
Name	: _____	Name	: _____
Designation	: Technical Manager.	Designation	: Head of District SYABAS
Date	: _____	Date	: _____

FORM EPS 8

HYDROSTATIC PRESSURE AND LEAKAGE TEST REPORT FOR EXTERNAL PIPELINE

Name of Development : _____

Consultant : _____

Developer : _____

Contractor : _____

File No. : _____

Date : _____

Type of Pipeline : _____ Location of Pipeline: _____

Size of Pipe : _____ mm

Pipe Material : _____

Pipe length : _____ m

Preparations for Test : Satisfactory / Not Satisfactory _____
(If not satisfactory, state details)

A) PRESSURE TEST

Initial specified Pressure : _____bar

Final pressure after 10 minutes: _____bar (Note: Leakage test shall not continue if any drop in pressure (is noted)

Pipe Material	Pressure Test (Bar)	Leakage Test (Bar)
HDPE (PN 12.5)	12.0	8.0
Steel	15.0	12.0
Ductile Iron	15.0	12.0
ABS (CL 12)	12.0	8.0

RESULT	PASS		FAIL	

B) LEAKAGE TEST

Initial pressure : _____ Bar
Final Pressure : _____ Bar
(Approx. 24 hours)
Total make-up water : _____ Liters
Total test duration : _____ Hours

Allowable Leakage : $\frac{0.34 \text{ liter} \times \text{internal pipe dia.(mm)} \times \text{pipe length(m)} \times \text{Total test duration (hour)} \times \text{Leakage Test (bar)}}{10 \times 1000 \times 24 \text{ hr} \times 1 \text{ bar}}$ (Liters)

= _____

= _____ liters

RESULT	PASS		FAIL	

Tested by :

_____
(Contractor Signature)
Name :
Designation :

Checked & Approved by,

_____
(Consultant Signature)
Name :
Designation :

Witnessed by,

_____
Head of Planning & Development Section
Name :
Designation :

Witnessed by,

_____
Technical Manager
SYABAS
Designation:

FORM EPS 8A

HYDROSTATIC PRESSURE TEST REPORT
TEST ON MAIN PIPE COMPLETE WITH FERRULE AND COMMUNICATION PIPE

Name of Development : _____

Area Location / Phase : _____

Consultant : _____

Developer : _____

Contractor : _____

Plumber : _____

File No. : _____

Date : _____

Communication pipe Material : _____

Size of communication pipe : _____

Main pipe Material : _____

Size of Main Pipe : _____ mm

Main Pipe length : _____ m

Preparations for Test : Satisfactory / Not Satisfactory _____
(If not satisfactory, state details)

PRESSURE TEST

Initial specified Pressure : _____bar

Final pressure after 10 minutes : _____bar

Communication Pipe Material	Pressure Test (Bar)
All type	6.0

RESULT	PASS		FAIL	

Note : The second pipe pressure test referred here shall include the main pipe, complete with ferrule connection and communication pipe up to meter stand position.

Tested by :	Tested by :	Checked & Approved by:	Witnessed by:	Witnessed by:
_____	_____	_____	_____	_____
(Contractor Signature)	(Plumber Signature)	(Consultant Signature)	Head of Planning &	Technical Manager
Name :	Name :	Name :	Development Section	SYABAS
Designation :	Designation :	Designation :	Name :	Name :
			Designation:	Designation:

FORM EPS 9

WATERTIGHTNESS TEST REPORT FOR RESERVOIR

Name of Development : _____

Developer : _____

Consultant : _____

File No. : _____

Date : _____

Type of Reservoir : _____

Capacity of Reservoir : _____ml_____

Test Preparation : _____
(If not satisfactory, please state details)

Visual Inspection : _____

WATERTIGHTNESS TEST

A. Water Level

Initial water level reading : _____ Date / Time : _____

Final water level reading : _____ Date / Time : _____
(After 72 hours, drop in water level (A) = _____mm

B. Evaporation

Tray size = L X B X H = _____ Date / Time : _____
Initial water level reading

Final water level reading = _____ Date / Time : _____
(After 72 hours, drop in water level (B) = _____ mm

ALLOWABLE LEAKAGE

$C = \frac{1X \text{ Depth of water (mm)}}{2000} = \_\_\_\_\_$ mm

ACTUAL LEAKAGE

D = Drop in water level (A) – Drop in water level (B) Evaporation = _____ mm
(If D < C = PASS; D > C = FAIL)

RESULT	PASS		FAIL	

Tested by :

_____
(Contractor Signature)
Name :
Designation :

Checked & Approved by,

_____
(Consultant Signature)
Name :
Designation :

Witnessed by,

_____
Head of Planning & Development Section
Name :
Designation :

Witnessed by,

_____
Technical Manager
SYABAS
Designation: