



SAMB

SYARIKAT AIR MELAKA BERHAD

DOKUMEN TAWARAN

RUJUKAN TAWARAN: SAMB / 12 / 2026

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF
SISTEM PENGEPAMAN SERTA LAIN-LAIN KERJA YANG BERKAITAN DI
RUMAH PAM KUBOTA, LOJI AIR BERTAM**

KETUA PEGAWAI EKSEKUTIF,
SYARIKAT AIR MELAKA BERHAD,
LOT 897, WISMA AIR,
JALAN HANG TUAH,
75300 MELAKA.

SYARIKAT AIR MELAKA BERHAD

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SISTEM PENGEPAMAN SERTA LAIN-LAIN KERJA YANG BERKAITAN DI
RUMAH PAM KUBOTA, LOJI AIR BERTAM**

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SENARAI SEMAK PENGHANTARAN DOKUMEN TENDER

Penender diwajibkan menghantar dokumen di bawah untuk tujuan penilaian oleh pihak Syarikat Air Melaka Berhad (SAMB). Kegagalan pihak tuan/puan menghantar dokumen berikut boleh menyebabkan sebutharga tuan/puan tidak akan dipertimbangkan.

Bil	Dokumen	Semakan (Sila Tandakan ✓ Jika Berkaitan)	Semakan Oleh SAMB
	<u>PENILAIAN TEKNIKAL</u>		
1	Profil Syarikat	()	()
2	Salinan Sijil Pendaftaran Kementerian Kewangan Malaysia yang masih sah (MOF) (Jika Berkaitan)	()	()
3	Salinan Pendaftaran Lembaga Pembangunan Industri Pembinaan Malaysia (LPIPM/CIDB) yang masih sah (Jika Berkaitan)	()	()
4	Sijil Suruhanjaya Perkhidmatan Air Negara (SPAN) yang masih sah (Jika Berkaitan)	()	()
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8	Senarai Kenderaan dan Peralatan Kerja (Jika Berkaitan)	()	()
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22	Salinan Pendaftaran Suruhanjaya Syarikat Malaysia (SSM) Lengkap Beserta Maklumat Korporat	()	()
23	Salinan Borang 9, Borang 24 dan Borang 49 Bagi Syarikat Sdn Bhd	()	()
24	Salinan Sijil Pematuhan Cukai atau Tax Compliance Certificate (TCC)	()	()
25	Semua Senarai Kuantiti Dihargakan	()	()
26	Surat Pengakuan Kebenaran Maklumat dan Kesahihah Dokumen Ditandatangani oleh Pemilik Syarikat	()	()
	Lain-lain sijil yang berkaitan:-		
			
			
			

DISEMAK OLEH SAMB:

.....
(Tandatangan Petender)

Nama:

Jawatan:

Tarikh:

Cop Syarikat:

.....
(Tandatangan Pegawai SAMB)

Nama:

Jawatan:

Tarikh:

BAHAGIAN A

ARAHAN KEPADA PETENDER

ARAHAN KEPADA PETENDER

SYARIKAT AIR MELAKA BERHAD (SAMB)

KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAHAN SERTA LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM.

1. PERIHAL TENDER

Tender ini bertujuan untuk mendapatkan perkhidmatan kontraktor-kontraktor yang berdaftar bagi **Kerja-Kerja Penggantian Panel Starter Dan Menaiktaraf Sistem Pengepaman Serta Lain-Lain Kerja Yang Berkaitan Di Rumah Pam Kubota, Loji Air Bertam.**

2. KELAYAKAN PETENDER

Tender ini adalah dipelawa kepada kontraktor-kontraktor yang berdaftar dengan **LEMBAGA PEMBANGUNAN INDUSTRI PEMBINAAN MALAYSIA, LPIPM (CIDB) minima G5 / G6 / G7 Pengkhususan E05** yang masih sah dan dibenarkan untuk membuat tawaran buat masa ini.

Petender hendaklah menyediakan salinan pendaftaran dengan **SPAN Permit IPA Jenis C2 (Bekalan Air)** sebelum menjalankan kerja-kerja di tapak.

3. DOKUMEN TENDER

Satu Set Dokumen Tender boleh dimuat turun di laman sesawang Syarikat Air Melaka Berhad (www.samb.com.my). Petender hendaklah mengemukakan bayaran melalui Pindahan Wang ke akaun **Bank Islam 04015010075113 (Syarikat Air Melaka Berhad)** sebanyak **RM 1,000.00.** Wang ini tidak akan dikembalikan.

4. PENYEDIAAN TENDER

- 4.1 Petender adalah dikehendaki mengisi segala maklumat-maklumat dengan sepenuhnya pada :-
- a) Borang Tender
 - b) Ringkasan Tawaran
 - c) Jadual Kadar Harga
 - d) Latar Belakang Petender

- 4.2 Tulisan hendaklah terang dan dibuat dengan dakwat. Segala kesilapan hendaklah dipotong dengan cermat dan ditandatangani ringkas.
- 4.3 Jumlah harga pada Ringkasan Tawaran hendaklah dipindahkan ke dalam Borang Tender dan sekiranya berlaku perbezaan diantara harga didalam Ringkasan Tawaran dan harga didalam Borang Tender, harga dalam Borang Tender akan diambilkira.

5. PENYERAHAN TENDER

- 5.1 Tender hendaklah dimasukkan kedalam satu sampul surat berlakri dan ditulis di bahagian luarnya dengan tajuk tender tersebut tanpa terdapat apa-apa tanda-tanda yang membolehkan identiti petender dikenali. Sampul surat yang telah berlakri itu hendaklah dihantar kepada:-

**Ketua Pegawai Esekutif
Syarikat Air Melaka Berhad
Lot 897, Tingkat 7, Wisma Air,
Jalan Hang Tuah,
75300 Melaka.**

sebelum **pukul 12.00 tengah hari** pada **06 OGOS 2026** .

- 5.2 Mana-mana tender yang diterima selepas tarikh tutup yang ditetapkan akan ditolak atau dikembalikan semula kepada petender.
- 5.3 Petender-petender hendaklah mengambil maklum bahawa Penilaian Tender ini akan mengambil kira dan mementingkan keupayaan petender untuk melaksanakan projek yang ditender, disamping kemunasabahan harga tender. Justeru itu, keupayaan petender-petender akan dinilai semasa penilaian tender. Penilaian tender akan dibuat berasaskan kedudukan kewangan, pengalaman kerja, kakitangan teknikal dan prestasi kerja semasa petender.

Petender-petender dikehendaki mengemukakan maklumat-maklumat dan dokumen seperti yang dikehendaki sepertimana di dalam Latar Belakang Petender.

- 5.4 Dokumen-dokumen ini sangatlah penting untuk membolehkan penilaian keupayaan yang sewajarnya dibuat keatas petender. Sekiranya petender tidak atau gagal untuk mengemukakan dokumen-dokumen tersebut, tender petender berkenaan akan ditolak dan tidak akan dipertimbangkan.

6. TINDAKAN TATATERTIB

Earnest Money atau Deposit Tender tidak diperlukan semasa mengemukakan tender. Walau bagaimanapun jika petender menarik balik tawarannya sebelum sesuatu keputusan dibuat atau enggan menandatangani kontrak apabila tendernya diterima dalam tempoh sahlaku tender, iaitu sembilan puluh (90) hari dari tarikh akhir yang ditetapkan bagi penyerahan tender, maka pendaftarannya akan digantung selama dua (2) tahun bagi kesalahan pertama, lima (5) tahun untuk kesalahan kedua dan pendaftarannya akan dibatalkan untuk kesalahan ketiga.

7. MAKLUMAT-MAKLUMAT LANJUT

- 7.1 Jika terdapat apa-apa keraguan keatas makna sebenar mana-mana bahagian dalam dokumen tender, petender hendaklah menghubungi Pegawai Penguasa untuk mendapatkan penjelasan sebelum menghantar tendernya. Penjelasan tersebut hanya sah jika ia di dikeluarkan secara rasmi dan bertulis oleh Pegawai Penguasa.
- 7.2 Dari masa ke semasa sebelum tarikh tutup tender, Pegawai Penguasa mungkin akan mengeluarkan pindaan atau tambahan untuk memberi penjelasan atau memperbaiki Dokumen Tender.
- 7.3 Satu salinan pindaan tender akan dikeluarkan secara rasmi kepada petender dan ianya akan menjadi sebahagian daripada Dokumen Tender. Penerimaan tambahan tersebut mestilah disahkan ke dalam borang yang dikepilkan bersama-sama dengan pindaan tersebut.

8. HAK SAMB UNTUK MENERIMA/MENOLAK TENDER

SAMB tidak terikat untuk menerima tender terendah atau mana-mana tender atau memberi sebarang sebab diatas penolakan sesuatu tender. Keputusan Lembaga Tender SAMB adalah muktamad.

9. BON PERLAKSANAAN

Kontraktor yang dilantik dikehendaki mengemukakan Bon Pelaksanaan sebanyak 5% daripada jumlah harga kontrak dalam bentuk Jaminan Bank atau Jaminan Insuran.

10.KOS MENENDER

Segala perbelanjaan yang dikeluarkan untuk menyedia dan mengemukakan tawaran hendaklah dibuat atas perbelanjaan sendiri dan petender tidak dibenarkan membuat apa-apa tuntutan kepada Syarikat Air Melaka Berhad (SAMB) berkaitan dengan hal tersebut.

11.SAMB tidak akan bertanggungjawab atau membayar perbelanjaan atau kehilangan yang boleh berlaku disebabkan penyediaan dokumen tender dan siasatan di tapak.

12.Segala kerja yang dinyatakan dalam kadar harga atau spesifikasi akan dinyatakan di dalam kontrak.

13.PERBELANJAAN LITOGRAFI

Caj litografi akan dikenakan kepada kontraktor yang berjaya. Sejumlah **RM 2,000.00 (Ringgit Malaysia: Dua Ribu Sahaja)** hendaklah dibayar kepada Bank Islam Malaysia Berhad, nombor akaun 04015010075113 (Syarikat Air Melaka Berhad) dengan rujukan: Litografi - (No. Rujukan Tender). Resit pembayaran hendaklah dilampirkan semasa penyerahan Surat Setuju Terima yang telah ditandatangani oleh kontraktor.

Tarikh:

Tandatangan Petender:

ARAHAN-ARAHAN YANG PERLU DIMASUKKAN KE DALAM ARAHAN KEPADA PETENDER.

A. Maklumat Latar Belakang, Kewangan Dan Prestasi Petender.

1. Petender-petender hendaklah mengambil makluman bahawa penilaian Tender ini akan mengambil kira dan mementingkan petender untuk melaksanakan projek yang ditender disamping kemunasabahan harga tender. Justeru itu keupayaan petender-petender akan dinilai semasa penilaian Tender. Penilaian ini akan dibuat berasaskan kedudukan kewangan, pengalaman kerja, kakitangan teknikal dan prestasi kerja semasa petender.
2. Untuk membolehkan Penilaian ini dibuat, petender-petender dikehendaki mengemukakan dokumen-dokumen berikut bersama-sama tendernya:-
 - (i) Salinan Akaun Syarikat yang telah disahkan dan diaudit oleh Juru Audit yang bertauliah, minima bagi dua (2) tahun kewangan terakhir. (Bagi Syarikat Sdn. Bhd. sahaja)
 - (ii) Salinan Penyata Bulanan Akaun Bank mengenai wang dalam tangan petender bagi tiga (3) bulan terakhir sebelum tutup tender.
 - (iii) Laporan Bank/Institusi kewangan mengenai kedudukan petender, atas format seperti BORANG CA, dalam satu sampul berlakri.
 - (iv) Salinan Perakuan / Pengesahan siap kerja bagi setiap kerja yang telah Disiap dan disenaraikan di BORANG D.
 - (v) Salinan Borang KWSP 'A' bagi bulan caruman terakhir bagi setiap kakitangan teknikal atau salinan perjanjian perkhidmatan professional yang diambil khidmat secara kontrak yang disenaraikan di BORANG E.
 - (vi) Salinan sijil kelulusan / kelayakan setiap kakitangan teknikal kategori A dan B yang disenaraikan di BORANG E.

- (vii) Laporan asal dari Penyelia Projek mengenai prestasi semasa petender, bagi setiap kerja semasa yang bukan projek SAMB yang disenaraikan di BORANG G, atas format seperti BORANG GA, dalam satu sampul berlakri. Dokumen-dokumen ini sangatlah penting untuk membolehkan penilaian keupayaan yang sewajarnya dibuat ke atas Petender.
- (viii) Petender juga haruslah mengemukakan Jadual Perancangan Kerja seperti format di BORANG H jika berkaitan dengan projek yang ditawarkan di dalam dokumen ini.

Sekiranya petender tidak atau gagal untuk mengemukakan dokumen-dokumen ini, terutamanya dokumen-dokumen (i), (ii), dan (vii) diatas, tender petender akan ditolak dan tidak akan dipertimbangkan.

3. Sekiranya petender gagal untuk mengemukakan salah satu bahagian daripada dokumen-dokumen (iii), (iv), (v), dan (vi), maklumat dan data-data yang tidak dapat disemak kerana ketiadaan atau ketidakcukupan dokumen-dokumen tersebut adalah tidak sah dan tidak boleh diambil kira dalam penilaian keupayaan petender yang berkenaan melainkan maklumat atau data-data tersebut membawa kesan negatif terhadap nilai keupayaannya. Ini bermakna kriteria-kriteria yang mana penilaiannya memerlukan maklumat atau data-data ini, akan diambil sebagai kosong.
4. Disamping mengemukakan dokumen-dokumen yang tersebut diatas petender-petender dikehendaki melengkapkan borang-borang berikut yang disertakan bersama Dokumen Tender ini, dengan sempurna dan mengembalikan bersama-sama dengan tender masing-masing.
 - a. BORANG A - SURAT PENGAKUAN KEBENARAN MAKLUMAT DAN KESAHIHANAN DOKUMEN-DOKUMEN YANG DIKEMUKAKAN OLEH PETENDER.
 - b. BORANG B - MAKLUMAT AM DAN LATAR BELAKANG PETENDER.
 - c. BORANG C - DATA-DATA KEWANGAN.
 - d. BORANG D - REKOD PENGALAMAN KERJA.
 - e. BORANG E - KAKITANGAN TEKNIKAL.

- f. BORANG F - KEPUNYAAN LOJI DAN PERALATAN PEMBINAAN UTAMA.
- g. BORANG G - SENARAI KERJA KONTRAK SEMASA
- h. BORANG CA - LAPORAN BANK/INSTITUSI KEWANGAN MENGENAI KEDUDUKAN KEWANGAN PETENDER.
- i. BORANG GA - LAPORAN PENYELIA PROJEK ATAS PRESTASI KERJA (BUKAN PROJEK SAMP) SEMASA PETENDER.
- j. BORANG GA1 - LAPORAN JURUTERA PROJEK ATAS PRESTASI KERJA SEMASA PETENDER.
- k. BORANG H - JADUAL PERANCANGAN KERJA.

Borang-borang ini hendaklah diisi dengan maklumat-maklumat yang benar dan data-data yang tepat. Semua butiran perlu diisi dan jawapan yang jelas hendaklah diberikan terhadap semua pertanyaan di dalam borang-borang di atas. Jika perlu helaian tambahan boleh dilampirkan dan setiap helaian tambahan yang dilampirkan kepada borang-borang lain hendaklah ditandatangani oleh petender.

5. Bagi petender usahasama atau gabungan (seperti yang dibenarkan oleh CIDB) antara dua atau lebih kontraktor setiap ahli gabungan hendaklah masing-masing melengkapkan borang-borang yang tersebut di atas yang berasingan.
6. Semua maklumat dan dokumen-dokumen yang tersebut di atas hendaklah dikemukakan oleh petender bersama-sama tendernya sebelum tarikh tutup Tender dan Petender tidak akan berpeluang lagi untuk mengemukakannya selepas itu. Sebarang maklumat atau dokumen yang dikemukakan selepas daripada tarikh dan waktu tutup tender, TIDAK AKAN DITERIMA.
7. Sekiranya petender didapati memberikan maklumat palsu atau sengaja menyorok (withhold) atau tidak memberikan mana-mana maklumat yang memberikan kesan negatif terhadap keupayaannya, tendernya akan ditolak dan tindakan tatatertib akan diperakukan terhadapnya.

BAHAGIAN B

SYARAT-SYARAT KONTRAK (SAMB 100)

SYARIKAT AIR MELAKA BERHAD



**STANDARD FORM OF CONTRACT TO BE USED WHERE BILLS OF QUANTITIES
FORM PART OF THE CONTRACT**

FORM SAMB 100 (Rev. 1/2010)

**CONDITIONS OF CONTRACT
TO BE USED WHERE BILLS OF QUANTITIES
FORM PART OF THE CONTRACT**

FORM SAMB 100 (Rev. 1/2010)

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EXPENDITURE to be met from: Head

Sub-head

Year of

(The SAMB and the Contractor shall hereinafter individually be referred to "Party" or collectively as the "Parties")

A. The SAMB is desirous of
.....
at (hereinafter referred to as
the 'Works') and has caused Drawings, Summary of Tender, Provisional Bills of Quantities (if
any), Specification describing the work to be done to be prepared.

B. The said Drawings numbered (hereinafter referred to as
the "Contract Drawings"), and the Summary of Tender, Provisional Bills of Quantities (if any),
Specification, Form of Tender and Letter of Acceptance of Tender have been signed by or on
behalf of the Parties hereto.

Unless the context otherwise requires, this Contract or an item or entry in the Appendices specifically otherwise provides, the following words and phrases in this Contract and the

Appendices shall have the meaning given below or ascribed in the clauses or Appendix item to which reference is made:

- (a) **“Contract”** means this contract and the appendices attached hereto;
- (b) **“Contract Documents”** means the documents forming the tender and acceptance thereof including:
 - Form of Tender;
 - Letter of Acceptance of Tender;
 - Contract Drawings;
 - Summary of Tender;
 - Specifications;
 - Treasury's Instructions;
 - Provisional Bills of Quantities (if any).....;
 -;
 -;
 and all these documents shall be complementary to one another;
- (c) **“Contractor”** means the person or persons, sole proprietor, partnership, firm or company whose tender for the Works has been accepted and who has or have signed this Contract and includes the Contractor's personal representatives, heirs, successors, executors, administrators, servant and agent;
- (d) **“Contract Period”** means the time frame stipulated in clause 2;
- (e) **“Contract Sum”** means the sum stipulated in clause 7;
- (f) **“Date for Completion”** means the date fixed and stated in Appendix or any other date as provided for in clause 39;
- (g) **“Defects Liability Period”** means the period stated in Appendix or if none stated, the period is twelve (12) months from the date of practical completion certified by the S.O. as provided for under clause 39.3;
- (h) **“Nominated Sub-Contractor” or “Nominated Supplier”** means all specialist, merchants, tradesmen and others executing any work or services, or supplying any materials or goods for which Prime Cost Sum (or P.C. Sums) are included in the Bills of Quantities or which the S.O. has given written instructions in regard to the expenditure of Provisional Sum and who may be nominated by the S.O. and employed by the Contractor as Sub-contractors or Suppliers;
- (i) **“On-Cost Charges”** means any cost and expenses reasonably incurred by the SAMB;
- (j) **“Officer Named”** means officer empowered to take action on behalf of the SAMB pertaining to clauses;

- (k) **“Prime Cost” or abbreviation “P.C. Sum”** means a sum for works or services to be executed by a Nominated Sub-Contractor or sums for materials or goods to be obtained from a Nominated Supplier;
- (l) **“Provisional Sum”** means a sum for work or for the supply of goods or materials which cannot be defined or detailed at the time the tender documents are issued;
- (m) **“Site”** means the land and other places on, above, under, in or through which the Works are to be executed and any other lands or places provided or approved by the SAMB for working space or any other purposes as may be specifically designated in this Contract and whether the same may be on the Site or not;
- (n) **“S.O.”** means the Superintending Officer who shall be and/or his successors in office;
- (o) **“S.O.’s Representatives”** means any person or persons delegated or authorised in writing by the S.O. to perform any of the duties of the S.O. as may be from time to time notified in writing to the Contractor by the S.O. pursuant to clause 3.3(a) of this Contract;
- (p) **“Works”** means the works specified in the Contract Documents and shall include temporary works.

1.2 Interpretation

- (a) The terms “approved or approval” and “directed or direction” wherever used in this Contract shall be in writing.
- (b) Words importing the singular include the plural and vice versa where the context requires.
- (c) The headings are for convenience of reference only and shall not be deemed to be part of this Contract or be taken into consideration in the interpretation or construction of this Contract.
- (d) Unless otherwise specifically stated, a reference in this Contract and the Appendices to any clause means that clause in this Contract.
- (e) This Contract and the Appendices are to be read as a whole and the effect or operation of any clause in this Contract or item in or entry in the Appendices shall, unless otherwise specifically stated, be read subject to any relevant qualification or modification in any other clauses in this Contract or item in or entry in the Appendices.

2.0 CONTRACT PERIOD

The Contract Period shall be for a period of commencing from ending on

3.0 THE S.O. AND S.O.'S REPRESENTATIVE

3.1 Duties of S.O. and S.O.'s Representative

The S.O. shall be responsible for the overall supervision and direction of the Works. All matters regarding the Works shall be dealt with by the Contractor with the S.O.

3.2 S.O.'s Representative

- (a) The S.O. may from time to time appoint such number of S.O.'s Representative as he deems fit.
- (b) The S.O.'s Representative shall be responsible to the S.O. and his duties are to watch and supervise the Works and to test and examine any materials or goods to be used or workmanship employed in connection with the Works.

3.3 S.O.'s Authority to Delegate

- (a) The S.O. may from time to time in writing delegate to the S.O.'s Representative any of the powers and authorities vested in the S.O. as listed in the letter of delegation and shall furnish to the Contractor a copy of all such written delegation of powers and authorities.
- (b) Any instruction or approval given by the S.O.'s Representative to the Contractor within the terms of such delegation shall bind the Contractor and the SAMB as though it had been given by the S.O. PROVIDED THAT failure of the S.O.'s Representative to disapprove any work or material shall not prejudice the power of the S.O. thereafter to disapprove such work or materials and to order the pulling down, removal or breaking up thereof.
- (c) If the Contractor is not satisfied with any decision of the S.O.'s Representative, the Contractor shall refer the matter to the S.O. who shall confirm, reverse or vary the decision of the S.O.'s Representative.
- (d) The delegation under this clause shall not preclude the S.O. from himself exercising or performing at any time any of the delegated powers and duties.

4.0 S.O.'S RIGHT TO TAKE ACTION

4.1 Notwithstanding any provision in this Contract it is hereby agreed that:

- (a) the power of the S.O. to issue instruction requiring a variation under clause 24 shall be subject to the financial limits as set out in Appendix 1 hereto. If the instruction for a variation under clause 24 is more than the financial limits as set out in the Appendix 1, the S.O. shall obtain the prior written approval of the relevant authorities of the SAMB; and
- (b) the right to act on behalf of the SAMB in respect of any matter which arises out of the provisions of clauses 51, 52, 53, 58 and 66 shall be exercised by the Officer Named in Appendix 1;

4.2 The Contractor shall not be entitled to extension of time or any additional cost or expense or whatsoever arising from compliance with this clause 4.

5.0 S.O.'S INSTRUCTIONS

5.1 The S.O. may from time to time issue further drawings, details and/or written instructions (all of which are hereafter collectively referred to as "S.O.'s instructions") in regard to-

- (a) the Variation as referred to in clause 24 hereof;
- (b) any discrepancy in or between the Contract Documents as referred to in clause 8.2(b) hereof;
- (c) the removal from the Site of any materials or goods brought thereon by the Contractor and the substitutions of any other materials or goods therefore;
- (d) the removal and/or re-execution of any works executed by the Contractor;
- (e) the dismissal from the Works of any person mentioned in clause 23.6 hereof employed thereupon;
- (f) the opening up for inspection of any work covered up;
- (g) the amending and making good of any defects whatsoever under clause 48;
- (h) any matter which is necessary and incidental to the carrying out and completion of the Works under this Contract; and
- (i) any matter in respect of which the S.O. is expressly empowered by this Contract to issue instructions.

5.2 All instructions issued by the S.O. shall be in writing. The Contractor shall forthwith comply with all instructions issued to him by the S.O. If such instruction is given orally, the S.O. shall then issue a written instruction within seven (7) days from the date of such oral instruction is given.

5.3 If within seven (7) days after receipt of a written notice from the S.O. requiring compliance of an instruction and the Contractor does not comply therewith, then the S.O. without prejudice to any other rights or remedies available to the SAMB under this Contract, undertake the work departmentally or employ and pay another Contractor or any other persons to execute any work whatsoever which may be necessary to give effect to such instruction. All costs and expenses incurred in connection with such employment (including On-Cost Charges), shall be deducted from any money due or to become due to the Contractor under this Contract, and failing which such deductions shall be recovered from the Performance Bond or as a debt due from the Contractor.

5.4 The Contractor shall be responsible for all costs and expenses incurred by the SAMB in carrying out the Works under clause 5.3 and On-Cost Charges (calculated by applying the Percentage of On-Cost Charges stated in Appendix hereto to the amount incurred). The SAMB shall be entitled to deduct such costs, expenses and On-cost Charges or any part thereof from any monies due or to become due to the Contractor under this Contract or to recover the same from the Performance Bond or as a debt due from the Contractor.

6.0 SCOPE OF CONTRACT

6.1 The Contractor shall upon and subject to this Contract, construct and complete the Works using materials, goods and workmanship of the quality and standards therein specified in accordance with best industry practice.

6.2 The Contractor shall also undertake any consequential work in relation to the construction and completion of Works on the Site i.e. removal/diversion of public sewer, water mains, electrical

mains, gas mains and telephone mains and the installation of permanent connections thereto shall be borne by the SAMB. The SAMB shall reimburse the Contractor for such costs by adding it to the Contract Sum PROVIDED THAT such cost have not already been included in the Contract Sum by way of a Provisional Sum or otherwise.

PROVIDED FURTHER any temporary connection shall be obtained by the Contractor with no additional cost to the SAMB for purpose of carrying out their work.

- 6.3 The Contractor shall also make good any defect, imperfection, shrinkage or any other fault whatsoever which may appear during the Defects Liability Period in accordance with clause 48 hereof.

7.0 CONTRACT SUM

The SAMB hereby covenants to pay the Contractor in consideration of the construction and completion of the Works and making good of any defects whatsoever to the Works the sum of Ringgit:

.....
..... (RM.....) or such other sum as shall become payable under and at the times and in the manner specified in this Contract.

8.0 CONTRACT DOCUMENTS

8.1 Custody of the Contract Documents

- (a) The Contract shall be prepared in two (2) original copies. The original copies of the Contract shall remain in the custody of the S.O. and the Contractor.
- (b) Immediately after the execution of this Contract, the S.O. shall furnish to the Contractor without any charge (unless he shall have been previously furnished) with:
 - (i) two (2) copies of the Contract Drawings; and
 - (ii) two (2) copies of the Specification, unpriced Summary of Tender and Provisional Bills of Quantities (if any) and (if requested by the Contractor) one copy of the priced Summary of Tender and Provisional Bills of Quantities (if any) and one copy of the Schedule of Rates.
- (c) The S.O. shall, as and when necessary and without charge to the Contractor, furnish him with two (2) copies of such further working drawings or details as are reasonably necessary either to explain and amplify the Contract Drawings or the Specification (if any) or to enable the Contractor to construct and complete the Works in accordance with this Contract. PROVIDED THAT nothing contained in the said working drawings or details shall impose any obligation beyond those imposed by the Contract Documents.
- (d) The Contractor shall keep one copy of the Contract Drawings, the Specification, unpriced Summary of Tender and Provisional Bills of Quantities (if any), priced Summary of Tender and Provisional Bills of Quantities (if any) and other like documents referred to in sub-clause (c) hereof on the Site and the S.O. shall at all reasonable times have access to the same.
- (e) Upon final payment being made pursuant to the issuance of Final Account and Payment Certificate under clause 31, the Contractor shall return to the S.O. all drawings, details, specifications, unpriced copy of Summary of Tender, Provisional Bill of Quantities (if any) and priced Summary of Tender and Provisional Bill of Quantities (if any).

- (f) None of the documents hereinbefore mentioned shall be used by the Contractor for any purpose other than this Contract.

8.2 Sufficiency of Contract Documents

- (a) The Contract documents are to be taken as mutually explanatory of one another. The Contractor shall provide everything necessary for the proper execution of the Works until its completion according to the true intent and meaning of the Contract Documents taken together whether the true intent and meaning may or may not be particularly shown or described PROVIDED THAT it can be reasonably inferred therefrom.
- (b) If the Contractor shall find any discrepancy in or divergence between any two or more of the Contract Documents including a discrepancy or divergence between parts of any one of them, he shall immediately give to the S.O. a written notice specifying the discrepancy or divergence and the S.O. shall issue instructions in regard thereto PROVIDED ALWAYS that such discrepancy or divergence shall not vitiate this Contract.

9.0 REPRESENTATIONS, WARRANTIES AND UNDERTAKINGS OF THE CONTRACTOR

9.1 Representations and Warranties

The Contractor hereby represents and warrants to the SAMB that—

- (a) it is a corporation validly existing under the laws of Malaysia*;
- (b) the Contractor has obtained a valid registration with the Construction Industry Development Board;
- (c) it has the corporate power to enter into and perform its obligations under this Contract and to carry out the transactions and to carry on its business as contemplated by this Contract*;
- (d) it has taken all necessary corporate actions to authorize the entry into and performance of this Contract and to carry out the transactions contemplated by this Contract*;
- (e) as at the execution date, neither the execution nor performance by it of this Contract nor any transactions contemplated by this Contract will violate in any respect any provision of—
 - (i) its Memorandum and Articles of Association; or
 - (ii) any other document or agreement which is binding upon it or its asset*;
- (f) no litigation, arbitration, tax claim, dispute or administrative proceeding is presently current or pending or, to its knowledge, threatened, which is likely to have a material adverse effect upon it or its ability to perform its financial or other obligations under this Contract;
- (g) this Contract constitutes a legal, valid and binding obligation of the Contractor and is enforceable in accordance with its terms and conditions;
- (h) it has necessary financial and technical capability to undertake the Works,

**applicable only if the Contractor is a company registered under the Companies Act 1965.*

and the Contractor acknowledges that the SAMB has entered into this Contract in reliance on its representations and warranties as aforesaid.

9.2 Undertakings of the Contractor*

The Contractor undertakes that-

- (a) it shall comply with all requirements, statutory or otherwise, regulating or relating to the conduct, trade, business or profession of a contractor, and the Contractor shall be fully and solely liable for all costs incurred thereby;
- (b) it shall pay all taxes that may be imposed on the profits made in respect of this Contract in accordance with the applicable laws; and
- (c) it shall ensure that all his employees, including non-Malaysian personnel, comply with all relevant laws to which they are subject to including payment of income tax, which in respect thereto the Contractor shall make such deductions from the salaries of his employees as may be lawfully imposed by the relevant authority.

10.0 OBLIGATIONS OF THE CONTRACTOR

The Contractor shall—

- (a) construct, complete, test and commission the Works in accordance with the Specifications, Contract Drawings and any other documents specified in the Contract Documents;
- (b) perform the Works in a proper manner and in accordance with good management practice and to the best advantage of the SAMB;
- (c) take all appropriate measures expected of a contractor providing similar works to ensure that the Works comply with the requirements of this Contract;
- (d) perform the Works and discharge its obligations as contained in this Contract by exercising professional judgment and practice, requisite skill, care and diligence. In performing the Works, the Contractor shall provide well-outlined procedures in the form agreed by the SAMB for reporting and co-ordination purposes;
- (e) at all times perform the Works in such manner as will always safeguard and protect the SAMB's interest in relation to the Works and take all necessary and proper steps to prevent abuse or uneconomical use of facilities, if any, made available by the SAMB to the Contractor;
- (f) inform the SAMB immediately in writing of the occurrence of any factor or event, which is likely to affect the Works. Such notification shall not be construed as a discharge of any of the Contractor's obligations under this Contract;
- (g) provide and maintain throughout the Contract Period such number, categories of qualified and competent personnel necessary to perform the Works;
- (h) provide and maintain at its own cost and expense all equipment and materials necessary for the proper and effective performance of the Works;
- (i) instruct and supervise its staffs and sub-contractor in carrying out the Works' repairs and other works in relation to the Works;

**applicable only if the Contractor is a company registered under the Companies Act 1965.*

- (j) make good any defect, imperfection, shrinkage or any other fault whatsoever which may appear during the Defects Liability Period; and
- (k) carry out any other obligations and responsibilities under this Contract.

11.0 **INSPECTION OF SITE**

- 11.1 The Contractor shall be deemed to have inspected and examined the Site and its surroundings and to have satisfied himself before submitting his tender as to the following:
- (a) the nature of the ground and subsoil;
 - (b) the form and nature of the Site;
 - (c) the extent and nature of the work, materials and goods necessary for the completion of the Works;
 - (d) the means of communication with and access to the Site;
 - (e) the accommodation he may require; and
 - (f) in general to have obtained for himself all necessary information as to risks, contingencies and all circumstances influencing and affecting his tender.
- 11.2 Any information or document forwarded by the SAMB to the Contractor shall not relieve the Contractor of his obligations under the provisions of this clause.

12.0 **PROGRAMME OF WORK**

- 12.1 Within fourteen (14) days from the receipt of the Letter of Acceptance by the SAMB, the Contractor shall submit to the S.O for his approval -
- (a) a work programme for the carrying out of the Works (hereinafter referred to as "Work Programme") in such form and details as determined by the S.O. showing the detail activities of the Works so as to enable the SAMB to monitor the progress thereof; and
 - (b) a general description in writing, of the arrangements and methods of construction which the Contractor proposes to adopt for the carrying out of the Works.
- 12.2 The S.O shall within (.....) days after receipt of the Contractor's programme:
- (i) approve the Work Programme in writing; or
 - (ii) reject the Work Programme in writing with reasons and/or request modifications; and/or
 - (iii) request the Contractor to supply further information to clarify or substantiate the Work Programme or to satisfy the S.O as to its reasonableness having regard to the Contractor's obligations under the Contract,
- PROVIDED THAT if none of the above actions is taken within the said period of (.....) days the S.O shall be deemed to have approved the Work Programme as submitted.
- 12.3 The Contractor shall upon receipt from the S.O any request under clause 12.2(ii) or (iii) resubmit a modified Work Programme or provide further information as requested.

- 12.4 If at any time it should appear to the S.O that the actual progress of Works does not conform to the approved Work Programme referred to herein before the Contractor shall produce, at the request of the S.O., a revised Work Programme showing the modifications to the approved Work Programme necessary to ensure completion of the whole Works within the time for completion provided for in clause 39 hereof or extended time granted pursuant to clause 43 hereof.
- 12.5 The submission to and approval by the S.O or the S.O's Representative of such Work Programme or the furnishing of such particulars shall not relieve the Contractor of any of his duties or responsibilities under this Contract.

13.0 PERFORMANCE BOND/PERFORMANCE GUARANTEE SUM

- 13.1(a) The Contractor shall, on the date of the possession of Site, provide a Performance Bond or Performance Guarantee Sum as the case may be substantially in the form as in Appendix issued by an approved licensed bank or financial institution incorporated in Malaysia in favour of the SAMB for a sum equivalent to five percent (5%) of the total Contract Sum as specified in Appendix to secure the due performance of the obligations under this Contract by the Contractor. The Performance Bond shall remain valid and effective until twelve (12) months after the expiry of the Defect Liability Period or the issuance of the Certificate of Completion of Making Good Defects, whichever is the later.
- (b) If the Contractor fails to submit the said Performance Bond as specified in sub-clause (a) above on the date of possession of site, then the Contractor shall be deemed to have opted for Performance Bond in the form of Performance Guarantee Sum as provided for under clause 13.2 hereof.
- 13.2 The Contractor may opt for a Performance Bond in the form of Performance Guarantee Sum in lieu of the Bank, Insurance or Finance Company Guarantee as specified in clause 13.1 hereof whereby deductions of ten percent (10%) shall be made from the first interim payments and subsequent interim payment until the total amount deducted aggregate to a sum equivalent to five (5) percent of the Contract Sum. The amount deducted shall be retained by the SAMB up to twelve (12) months after the expiry of the Defect Liability Period or the issuance of the Certificate of Completion of Making Good Defects, whichever is the later.
- 13.3 Notwithstanding anything contained in this Contract, the SAMB shall be entitled at any time to call upon the Performance Bond, wholly or partially, in the event that the Contractor fails to perform or fulfil its obligations under this Contract and such failure is not remedied in accordance with this Contract.
- 13.4 If a payment is made to the SAMB pursuant to any claim under the Performance Bond, the Contractor shall issue to the SAMB further security in the form of additional performance bond or bonds for an amount not less than the amount so paid to the SAMB on or prior to the date of such payment so that the total sum of the Performance Bond shall be maintained at all times at the value specified in clause 13.1(a).
- 13.5 The Performance Bond (or any balance thereof remaining for the credit of the Contractor) may be released or refunded to the Contractor on the completion of making good of all defects, shrinkages or other faults which may appear during the Defects Liability Period and upon the giving of the Certificate of Completion of Making Good Defects for the whole of the Works under clause 48.
- 13.6 Notwithstanding the above, in the event that this Contract is terminated under clause 51 hereof the said Performance Bond or any balance thereof shall be forfeited.

14.0 INDEMNITY IN RESPECT OF PERSONAL INJURIES AND DAMAGE TO PROPERTY

14.1 The Contractor agrees with the SAMB that—

- (a) it shall perform all of its obligations under this Contract at its own risk and releases, to the fullest extent permitted by law, the SAMB and their agents and servants from all claims and demands of every kind resulting from any accident, damage, injury or death arising from the carrying out of the Works except where such accident, damage, injury or death is caused or contributed to by any act or omission or negligence of the SAMB or its agents and servants. The Contractor expressly agrees that in the absence of any such act, omission or negligence as aforesaid the SAMB shall have no responsibility or liability whatsoever in relation to such accident, damage, injury or death;
 - (b) it shall indemnify and keep indemnified the SAMB from and against all actions, suits, claims or demands, proceedings, losses, damages, compensation, costs (including legal cost), charges and expenses whatsoever to which the SAMB shall or may be or become liable in respect of or arising from—
 - (i) the negligent use, misuse or abuse by the Contractor or its personnel, servants, agents or employees appointed by the Contractor;
 - (ii) any loss or damage to property or injury of whatsoever nature or kind and howsoever or wherever sustained or caused or contributed to by carrying out of the Works by the Contractor to any person and not caused by the negligence or wilful act, default or omission of the SAMB, its agents or servants; or
 - (iii) any loss, damage or injury from any cause whatsoever to property or persons affected by the Works to the extent to which the same is occasioned or contributed to by the act, omission, neglect, breach or default of the Contractor or personnel, servants, agents or employees; and
 - (c) the obligations under this clause shall continue after the expiry or earlier termination of this Contract in respect of any act, deed, matter or thing happening before such expiration or termination of this Contract.
- 14.2** The Contractor shall indemnify, protect and defend at its own cost and expense, the SAMB and its agents and servants from and against all actions, claims and liabilities arising out of acts done by the Contractor in the performance of this Contract.

15.0 INSURANCE AGAINST PERSONAL INJURIES AND DAMAGE TO PROPERTY

15.1 Taking of Insurance

- (a) Without prejudice to his liability to indemnify the SAMB under clause 14 hereof, the Contractor shall, as a condition precedent to the commencement of any work under this Contract, effect and maintain such insurances whether with or without an excess amount as specified in Appendix hereto as are necessary to cover the liability of the Contractor and all sub- contractors, whether nominated or otherwise.
- (b) Such insurance shall be for the purpose of personal injuries or death, damage or loss to property, movable or immovable, arising out of, or in the course of, or by reason of the execution of the Works and caused by any negligence, omission, breach of contract or default of the Contractor or any sub-contractor, whether nominated or otherwise, or of any servants or agents of the Contractor or of any such sub-contractor, whether nominated or otherwise. Where an excess amount is specified in Appendix, the Contractor shall bear the amount of such excess. The policy or policies of insurance shall contain a cross liability clause indemnifying each of the jointly insured against claims made by on him by the other jointly insured.

- (c) Such insurance as referred to under sub-clause (a) hereof shall be effected with an insurance company as approved by the SAMB and maintained in the joint names of the SAMB and Contractor and all sub-contractors, whether nominated or otherwise. Such insurance shall cover from the period of the date of possession of site until the date of issuance of Certificate of Making Good Defects for any claim occasioned by the Contractor or any sub-contractor in the course of any operations carried out by the Contractor or any sub-contractor for the purpose of complying with his obligations under Clause 48 hereof.

15.2 Production of Policies

It shall be the duty of the Contractor to produce and shall deposit the relevant policy or policies of the insurance together with receipts in respect of premiums paid to the S.O., whether demanded or not.

15.3 Default in Insuring

If the Contractor fails to effect or renew such insurances as are required to be effected and maintained under this Contract, the SAMB or the S.O. on its behalf may effect or renew such insurance and shall be entitled to deduct a sum equivalent to the amount in respect of the premiums paid and On-Cost Charges (calculated by applying the 'Percentage for On-cost Charges' stated in Appendix hereto to the premiums paid), from any money due or to become due to the Contractor under this Contract or to recover the same from the Performance Bond or as a debt due from the Contractor.

15.4 Cancellation of Insurance

- (a) The Contractor shall ensure that any insurance policy effected hereto shall only be cancelled by the insurer after the expiry of thirty (30) days from the date of receipt by the SAMB of a written notice from the insurer advising of such impending cancellation PROVIDED THAT the Contractor has been issued with the Certificate of Making Good Defects in accordance with clause 48.
- (b) The Contractor shall not at any time permit or cause to be done any act, matter or thing which may result in any insurance effected by virtue of this Contract being vitiated or rendered void or voidable or whereby the rate of the premium on any insurance effected shall be liable to be increased.

15.5 Loss or Damage Occasioned by Insured Risk

- (a) In the event of any damage or loss occurring during the performance of this Contract, the Contractor shall repair, replace or make good such damage or loss from the amount of insurance claimed, if sufficient, or if insufficient, using his own resources.

16.0 INDEMNITIES TO SAMB IN RESPECT OF CLAIMS BY WORKMEN

16.1 Workmen Compensation

- (a) The Contractor shall be liable for and shall indemnify and keep indemnified the SAMB and its officers or servants from all liabilities arising out of claims by any workman employed by the Contractor in and for the performance of this Contract for payment of compensation under or by virtue of the Workmen's Compensation Act 1952 and the Employee's Social Security Act 1969 or any other law amending or replacing such law and from all costs and expenses incidental and consequential thereto.
- (b) The Contractor shall effect and maintain throughout the Contract Period a "Workmen Compensation Insurance" or any other applicable insurance for its personnel, servants, agents or employees required under the laws of Malaysia.

17.0 EMPLOYEES' SOCIAL SECURITY ACT, 1969

17.1 Registration with SOCSO

Without prejudice to his liability to indemnify the SAMB under clause 16, the Contractor shall register or cause to register all local workmen employed in the execution of the Works and who are subject to registration under the Employee's Social Security Scheme ("the SOCSO Scheme") in accordance with the Employee's Social Security Act 1969 or any subsequent modification or re-enactment of the said Act. For the purpose of this sub-clause, the term "local workmen" shall include workmen who are Malaysian citizens and those who have permanent resident status.

17.2 Contribution to SOCSO

The Contractor shall submit the Code Number and Social Security Numbers of all the workmen registered under the SOCSO scheme to the S.O. for verification. The Contractor shall make payment of all contribution from time to time on the first contribution day on which the same ought to be paid and until the completion of this Contract and it shall be the duty of the Contractor to produce to the S.O. contribution statement or payment vouchers as evidence of payment of such contribution, whether demanded or not.

17.3 Default in Complying with SOCSO

If the Contractor fails to comply with the terms of this Clause, the SAMB or the S.O. on its behalf may without prejudice to any other remedy available to the SAMB for breach of any terms of this Contract:

- (a) withhold an amount from any money which would otherwise be due to the Contractor under this Contract and which in the opinion of the S.O. will satisfy any claims for compensation by workmen that would have been borne by SOCSO Scheme had the Contractor not made default in maintaining the contribution; and/or
- (b) pay such contributions as have become due and remain unpaid and deduct the amount of such contributions including On-Cost Charges (calculated by applying the Percentage of On-Cost Charges stated in Appendix to the contributions paid), from any money due or to become due to the Contractor under this Contract, and failing which such contributions shall be recovered from the Performance Bond or as a debt due from the Contractor.

18.0 INSURANCE OF WORKS

18.1 Taking of Insurance

- (a) The Contractor shall in the joint names of the SAMB and the Contractor insure against loss and damage by fire, lightning, explosion, storm, tempest, flood, ground subsidence, bursting or overflowing of water tanks, apparatus or pipes, aircraft and other aerial devices or articles dropped therefrom, riot and civil commotion, all work executed and all unfixed materials and goods, delivered to, placed on or adjacent to the Works and intended therefore (but excluding temporary buildings, plant, tools and equipment owned or hired by the Contractor or any sub-contractor, nominated or otherwise) to the full value thereof (plus any amount which may be specifically stated in Appendix or elsewhere in the Contract Documents) and shall keep such work, materials and goods so insured until the completion of the whole of the Works, notwithstanding any arrangement for Sectional Completion or Partial Occupation by the SAMB under this Contract. Such insurance policy or policies shall provide expressly for payment in the first place to the SAMB of any insurance monies due under the policy or policies.

- (b) The said insurance with or without an excess clause as specified in Appendix hereto shall be effected with an insurance company approved by the S.O. and it shall be the duty of the Contractor to produce to the S.O. the said policy or policies and the receipts in respect of the premium paid. Where an excess clause is specified in Appendix, the Contractor shall bear the amount of such excess.

18.2 Default in Insuring

If the Contractor fails to effect or renew such insurance as are necessary under this clause, the SAMB or the S.O. on its behalf may renew such insurance and pay the premium in respect thereof and deduct the amount so expended including On-Cost Charges (calculated by applying the 'Percentage of On-cost Charges' stated in Appendix to the premiums paid), from any money due or to become due to the Contractor under this Contract, and failing which such premium shall be recovered from the Performance Bond or as a debt due from the Contractor.

18.3 Payment of Insurance in the Event of any Loss/Damage

Upon the occurrence of any loss or damage to the Works or unfixed materials or goods prior to the date the Works has been certified as practically completed by the S.O. in the Certificate of Practical Completion, the Contractor shall notwithstanding that settlement of any insurance claim has not been completed, with due diligence restore, replace or repair the same, remove and dispose of any debris and proceed with the carrying out and completion of the Works. All money if and when received from the insurance under this clause shall be paid in the first place to the SAMB and then (less any such amounts as are specifically required in Appendix or elsewhere in the Contract Documents) be released to the Contractor by instalments on the certificate for payment issued by the S.O., calculated as from the date of receipt of the money in proportion to the extent of the work of restoration, replacement or repair and the removal and disposal of debris previously carried out by the Contractor. The Contractor shall not be entitled to any payment in respect of the work of restoration, replacement or repair and the removal and disposal of debris other than the money received under the said insurance.

18.4 Cancellation of Insurance Policy

The Contractor shall ensure that any insurance policy effected hereto shall only be cancelled by the insurer after the expiry of thirty (30) days from the date of receipt by the SAMB of a written notice from the insurer advising of such impending cancellation PROVIDED THAT the Contractor has been issued with the Certificate of Making Good Defects in accordance with clause 48.

19.0 SETTING OUT

- 19.1 The Contractor shall be responsible for the true and proper setting out of the Works and for the correctness of the positions, levels, dimensions and alignments of all parts of the Works and for the provisions of all necessary instruments, appliances and labour in connection therewith.
- 19.2 If at any time during the progress of the Works any error in the positions, levels, dimensions or alignments of any part of the Works is discovered, the Contractor shall at his own expense rectify such error unless such error is based on incorrect data supplied in writing by the S.O.'s Representative in which case the expense of rectifying shall be borne by the SAMB.
- 19.3 If at any time during the progress of the Works, any error shall appear or arise in the setting-out required to construct the Works or in the position, levels, dimensions or alignment of any part of the Works, the Contractor, on being required to do so by the S.O., shall at his own expense rectify such error to the satisfaction of the S.O. The checking of any setting out of or of any line or level by the S.O. shall not in any way relieve the Contractor of his responsibility for the correctness thereof and the Contractor shall carefully protect and preserve all things used in the setting-out required for the construction of the Works until the S.O. agrees that the said things may be abandoned.

- 19.4 The Contractor shall give to the S.O. without charge such information as may be required by the S.O. to enable him to check the setting-out required for the construction of the Works including interpreting any marks made by the Contractor for the purpose of setting out.

20.0 UNFIXED MATERIALS AND GOODS

Unfixed materials and goods delivered to, placed on or adjacent to the Site and intended for incorporation therein, shall not be removed except for use upon the Works, unless the S.O. has consented in writing to such removal. Where the S.O. has included the value of such materials or goods in any certificate in accordance with clause 28, under which the Contractor has received payment, such materials and goods shall become the property of the SAMB, but the Contractor shall remain responsible for loss or damage to the same.

21.0 COMPLIANCE WITH THE LAW

- 21.1 The Contractor shall comply in all respects (including the giving of all notices and the paying of all fees required) with any law, regulation or by-law, or any order or directive issued by any public authority or public service company (hereinafter referred to as "Statutory Requirements"), relating to the Works or, in the case of public authority or public service company, with those systems the same are or will be connected. The Contractor shall submit to the S.O. all approvals received by the Contractor in connection therein. The Contractor shall keep the SAMB indemnified against all penalties and liability of every kind for breach of any such Statutory Requirements.
- 21.2 If after the Date of Tender (as specified in Appendix) there is any change or amendment in any written law, regulations and by-laws which necessitates any variation to the Works, the Contractor shall, before making such variation, give to the S.O. a written notice specifying and giving the reason for such variation and apply for the S.O.'s instruction in respect of the matter.

22.0 DESIGN

22.1 Design Liability

- (a) Notwithstanding any design and specifications supplied by the SAMB, if the Contractor is required under this Contract to undertake the design of any part of the Works which is a stand alone design as determined by the SAMB, the Contractor shall ensure that such design is suitable, functional, safe, compatible and integrates with the design and specifications of the Works and it shall be undertaken, approved and endorsed by a competent and registered professional.
- (b) The Contractor shall submit to the S.O. all drawings, specifications, calculations and any other relevant information pertaining to the stand alone design for approval. No work shall commence without prior written consent of the S.O.
- (c) The Contractor shall be fully responsible and guarantee the SAMB that the stand alone design, integration, execution of the Works, materials and workmanship for the Works or part of the Works are independent of fault, suitable, functional, safe and compatible with the requirements of the SAMB.
- (d) The approval of the stand alone design by the S.O pursuant to sub-clause (b) shall not absolve the Contractor from its responsibility under sub-clause (c) and the Contractor shall be liable and shall fully indemnify and keep the SAMB indemnified for any design defects, damage, inadequacies or insufficiency of such design.

22.2 Design Guarantee Bond

- (a) The Contractor shall provide a Design Guarantee Bond for the stand alone design issued by an approved licensed bank or financial institution of the sum of Ringgit ... (RM...) amounting to 5% of the value of the said part of the Works substantially in the form as in Appendix [.....] upon or before the issuance of the Certificate of Practical Completion of the Works as a security for the Contractor's obligations and warranties under Clause 22.1. Such Design Guarantee Bond shall remain valid for a period of 5 years from the date of practical completion of the Works.
- (b) If any defect or damage shall occur to that particular part of the Works as a result of any defect, fault, insufficiency, imperfection, shrinkages or inadequacy in the stand alone design including workmanship, materials or equipment which has become defective arising from design fault then the approved licensed bank or financial institution issuing the Design Guarantee Bond pursuant to sub-clause (a) above shall pay to the SAMB, on demand by the SAMB in writing notwithstanding any objection by the Contractor or any third party, the sum of being equal to 5% of the value of the said part of the Works or such part thereof as may be demanded.
- (c) If the Design Guarantee Bond is not deposited with the SAMB in accordance with sub-clause (a) above, the SAMB shall have the right to claim from the Performance Bond the sum of Ringgit (RM...) being equal to 5% of the value of the said part of the Works or such part thereof as may be demanded.
- (d) If a payment is made to SAMB pursuant to clause (b), the Contractor shall ensure that further security in the form of an additional Design Guarantee Bond for an amount no less than the amount so paid to SAMB shall be issued to SAMB prior to or upon the date of such payment. If any of the issued Design Guarantee Bond were to expire prior to the validity period, a replacement Design Guarantee Bond shall be issued to SAMB on or prior to the date of expiry of the first mentioned Design Guarantee Bond in an amount not less than the amount of that Design Guarantee Bond.

23.0 EMPLOYMENT OF WORKMEN

23.1 Workmen

- (a) The Contractor shall employ, in the execution of this Contract, only Malaysian citizens as workmen.
- (b) If in any particular trade or skill required to complete the Works, the Contractor can show to the satisfaction of the S.O. that Malaysian citizens are not available, then the Contractor may employ non-Malaysian citizens subject to the approval of the SAMB.
- (c) The Contractor shall on the commencement of the Works furnish to the Jabatan Tenaga Kerja of the State in which this Contract is performed all particulars connected with this Contract and such returns as may be called for from time to time in respect of labour employed by him on for the execution of this Contract, in accordance with the requirements of the Employment Act 1955, Employment (Restriction) Act 1968, and Internal Security (Registration of Labour) Regulation 1960 or any subsequent modification or re-enactment thereof.
- (d) The Contractor shall maintain on the Site at all times during the progress of the Works an up to date register containing particulars of all workers employed by him.
- (e) The Contractor shall cause his sub-contractors (including 'labour only' sub-contractors) and Nominated Sub-Contractors to comply with the provisions of this clause.

23.2 Compliance with Employment Act 1955, etc.

In the employment of workmen for the execution of this Contract, the Contractor shall comply, and shall cause his sub-contractors (including "labour only" sub-contractors) and Nominated Sub-Contractors to comply with all the requirements of the Employment Act 1955, Employment (Restriction) Act 1968, Employee's Provident Fund Act 1951, the Industrial Relations Act 1967 and any other law relating to the employment of workmen, or any subsequent modification or re-enactment thereof. PROVIDED THAT the Contractor shall not be entitled to any claim for additional costs and payments whatsoever in respect of his compliance with this clause.

23.3 Days and Hours of Working

No work shall be done on:

- (a) the weekly day of rest;
- (b) any public holiday which is recognised in the state where this Contract is being carried out; or
- (c) between the hours of six in the evening and six in the following morning;

without the written permission of the S.O. PROVIDED THAT when such written application of the Contractor is approved by the S.O., the Contractor shall comply fully with all the requirements of the Employment Ordinance 1955 in regard thereto or any subsequent modification or re-enactment thereof and shall bear any costs for compliance therewith, and any extra costs incurred by the SAMB in connection with the supervision of the Works.

23.4 Wages Books and Time Sheets

- (a) The Contractor shall keep and shall cause his sub-contractors (including "labour only" sub-contractors) and Nominated Sub-Contractors to keep proper wages books and time sheets showing wages paid to and the time worked by all workmen employed by him and his sub-contractors as aforesaid in and for the performance of this Contract.
- (b) The Contractor shall produce such wages books and time sheets on demand for inspection by any persons duly authorised by the S.O.
- (c) The Contractor shall furnish to the S.O. or S.O.'s Representative such information relating to the wages and conditions of employment of such workmen as the S.O. may from time to time require.

23.5 Default in Payment of Wages

In the event of default in the payment of —

- (a) any money in respect of wages; and/or
- (b) payment in respect of Employees Provident Fund Contributions,

of any workmen employed by the Contractor or his sub-contractors (including "labour only" sub-contractors) and Nominated Sub-contractors in and for the performance of this Contract, which a

claim has been filed with the Department of Labour, then the S.O. shall make payment to the Director General of Labour and/or Employees Provident Fund, as the case may be, out of any monies at any time due to the Contractor under this Contract and such payment shall be deemed to be a payment made to the Contractor by the SAMB under and by virtue of this Contract.

23.6 Discharge of Workmen

- (a) The Contractor shall employ in and about the execution of the Works only such persons as are of good character, careful, skilled and experienced in their respective vocations and trades.
- (b) The S.O. shall be at liberty to object to and require the Contractor to remove immediately from the Site any person employed by the Contractor in or about the execution of the Works who in the opinion of the S.O. misconducts himself or is incompetent or negligent in the proper performance of his duties. Such person shall not again be employed upon the Works without the prior written permission of the S.O.
- (c) Any person so removed from the Works shall be replaced without delay by a substitute approved by the S.O. PROVIDED THAT the Contractor shall not be entitled to any claim for any expense whatsoever incurred by him in respect of any direction given by the S.O. under this clause.

24.0 VARIATIONS

- 24.1 The S.O. may issue instructions requiring a Variation in a form of a Variation Order. No variation required by the S.O. shall vitiate this Contract. Upon the issuance of such Variation Order, the Contractor shall forthwith comply with the Variation Order issued by the S.O.
- 24.2 The term 'Variation' means a change in the Contract Document which necessitates the alteration or modification of the design, quality or quantity of the Works as described by or referred to therein and affects the Contract Sum, including:
 - (a) the addition, omission or substitution of any work;
 - (b) the alteration of the kind or standard of any of the materials, goods to be used in the Works; or
 - (c) the removal from the Site of any work executed or materials or goods brought thereon by the Contractor for the purposes of the Works other than work, materials or goods which are not in accordance with this Contract.
- 24.3 Any variation made under this clause shall not relieve the Contractor from his obligations under clause 22.1(c).

25.0 VALUATION OF VARIATION

- 25.1 All variations instructed in writing by the S.O. in accordance with clause 24 hereof shall be measured and valued by the S.O. The valuation of Variations, unless previously or otherwise agreed, shall be made in accordance with the following rules:
 - a) The rates in the Schedule of Rates, after adjustment if necessary as provided in Clause 26.2 hereof, shall determine the valuation of work (other than work involving a whole addition of any item of work priced in the Summary of Tender, which shall be valued in accordance with rule (b) hereof) of similar character and executed under similar conditions as work priced therein;

- b) The said rates, where work is not of similar character or executed under similar conditions as aforesaid, shall be the basis of rates for the same, so far as may be reasonable, failing which a fair valuation thereof shall be made by the S.O.;
 - c) Where work involves the addition of the whole of any similar item of work and executed under similar conditions a
 - d) s work priced in the Summary of Tender, the price of such item of work in the Summary of Tender shall be the basis of the valuation of the said item of work. The rates in the Schedule of Rates shall determine the valuation of work omitted; provided that if the omission involves the omission of the whole of any item of work in the Summary of Tender, the price of such item of work in the Summary of Tender shall be the basis of valuation of the item omitted. Omission of the whole of an item of work in the Summary of Tender shall mean omission of the whole of the work where it is not required and shall not apply to the substitution of any work in the Summary of Tender.
- 25.2 Where work cannot properly be measured or valued, the S.O. may allow daywork price as specified in Appendix. Unless otherwise provided in the Bills of Quantities, the daywork prices for the purpose of this Contract shall be taken to mean the actual net cost to the Contractor of his materials, plant and labour for the work concerned. The Contractor shall be paid daywork prices, plus fifteen percent (15%), which shall include for the cost of all ordinary plant, tools, scaffolding, supervision and profit. PROVIDED ALWAYS that as a condition precedent to any right to any payment the Contractor shall produce vouchers, receipts and wage books specifying the time for labour and plant employed and materials used to the S.O. not exceeding seven (7) days after the work shall have been done.
- 25.3 The amount of variations shall be certified by the S.O. and added to or deducted from the Contract Sum as the case may be and the amount shall be adjusted accordingly.

26.0 SUMMARY OF TENDER

- 26.1 The Summary of Tender, Provisional Bills of Quantities (if any), shall be the basis of the Contract Sum. Any error in description or quantity or omission of Works from the Summary of Tender and Provisional Bills of Quantities (if any) shall not vitiate this Contract but shall be rectified and the amount in respect of such rectification shall be added to or deducted from the Contract Sum as the case may be.
- 26.2 The SAMB reserves the right to adjust the rates in the Schedule of Rates and the prices in the Summary of Tender submitted by the Contractor to ensure their reasonableness before acceptance of tender and the decision of the SAMB shall be final.
- 26.3 Any adjustment of the prices in the Summary of Tender by the preceding clause 26.2 above and any arithmetical error in the Summary of Tender shall before the signing of this Contract be so adjusted and rectified so that the total amount in the Summary of Tender shall correspond to the lump sum amount tendered by the Contractor in the Form of Tender. Provided always the lump sum amount shown in the Form of Tender shall remain unaltered. Provided further that Provisional and Prime Cost Sums shall not be subjected to such adjustment of prices.
- 26.4 Subject to the Clauses 8.2(a) and 11 hereof, the quality and quantity of the Works included in the Contract Sum shall be to be that which is shown upon the Contract Drawings or described in the Specification and/or the Summary of Tender. Where quantities of work are given in the Contract Drawings and/or the Specification and/or the Summary of Tender for the purpose of tendering, unless otherwise stated, these shall be deemed to form part of this Contract and the method of measurement of and payment for the same shall be made in accordance with the rules as set down in the Contract Drawings and/or the Specification and/or Summary of Tender.

Provisional Quantities

- 26.5 Where the quantities of Works are stated as "provisional" in the Bills of Quantities, such quantities are the estimated quantities which shall not be taken as the actual and correct quantities of Works to be executed by the Contractor in the fulfilment of his obligations under the Contract. The amount to be paid to the Contractor in respect of such Works upon completion of this Contract shall be ascertained by remeasurement of the work as it is actually executed. The rates in the "provisional" Bills of Quantities shall determine the valuation of the Works of similar character and executed under similar conditions as work priced therein. The said rates, where work is not of similar character or executed under similar conditions as aforesaid, shall be the basis of rates for the same so far as maybe reasonable, failing which a fair valuation thereof shall be made by the S.O..
- 26.5 For the purpose of clause 26.5, the amount to be paid to the Contractor shall be set off against the amount for such work in the Bills of Quantities, and the balance shall be added to or deducted from the Contract Sum as the case may be.

27.0 MEASUREMENT OF WORKS

- 27.1 The S.O. shall, when he requires any part or parts of the Works to be measured or remeasured for the purposes of clauses of Variation under clause 24 and provisional quantities under clause 26.5, give reasonable notice to the Contractor who shall attend or send a qualified agent to assist the S.O. or S.O.'s Representative in making such measurement and shall furnish all particulars required by the S.O.. Should the Contractor fail to attend or neglect or omit to send such agent, then the measurement made by the S.O. or approved by him shall be taken to be the correct measurement of the work.
- 27.2 Upon the completion of the measurement pursuant to clause 27.1, the S.O. shall supply the Contractor with such measurement in respect of the said parts.

28.0 PAYMENT TO CONTRACTOR AND INTERIM CERTIFICATES

- 28.1 When the Contractor has executed work including delivery to or adjacent to the Works of any unfixed materials or goods intended for incorporation into the Works in accordance with the terms of this Contract and their total value of work thereof has reached the sum referred to in Appendix, the S.O. shall at that time make the first valuation of the same.
- 28.2 Thereafter, once (or more often at the discretion of the S.O.) during the course of each succeeding month the S.O. shall make a valuation of the works properly executed and of unfixed materials and goods delivered to or adjacent to the Site, provided the total value of work properly executed and the value of unfixed materials and goods as specified in clause 28.4 hereof, delivered to the Site intended for incorporation into the Works in each subsequent valuation shall not be less than the sum referred to in Appendix.
- 28.3 Within fourteen (14) days from the date of any such valuation being made and subject to the provision mentioned in clause 28.1, the S.O. shall issue an Interim Certificate stating the amount due to the Contractor from the SAMB. PROVIDED THAT the signing of this Contract shall not be a condition precedent for the issue of the first Interim Certificate (and no other) so long as the Contractor has returned the Letter of Acceptance of Tender duly signed and has deposited with the S.O. or the SAMB the relevant insurance policies under clauses 15 and 18 hereof.
- 28.4 The amount stated as due in an Interim Certificate shall, subject to any agreement between the Parties as to payment by stages, be the estimated total value of the work properly executed and up to ninety percent (90%) of the value of the unfixed materials and goods delivered to or adjacent to the Site intended for incorporation into the permanent Works up to and including the date the valuation was made, less any payment (including advance payment) previously made

paid under this Contract. PROVIDED THAT such a certificate shall only include the value of the said unfixed materials and goods as and from such time as they are reasonably and properly and not prematurely delivered to or adjacent to the Site and adequately protected against weather, damage or deterioration.

- 28.5 This clause shall not apply to any unfixed materials and goods which are supplied and delivered by Nominated Suppliers for which payment shall be made for the full value of the unfixed materials and goods.
- 28.6 Within a number of days as stated in Appendix (or if none stated then within thirty (30) days of the issue of any such Interim Certificate), the SAMB shall make a payment to the Contractor as follows:
- (a) where the Performance Bond is in the form of a Banker's, Insurance or Finance Company Guarantee, payment shall be made on the amount certified as due to the Contractor in the said Interim Certificate; or
 - (b) where the Performance Bond is in the form of a Performance Guarantee Sum, payment of ninety percent (90%) on the amount certified as due to the Contractor shall be made with the remaining ten percent (10%) being retained by the SAMB as a Performance Guarantee Sum. PROVIDED THAT when the sum retained is equivalent to five percent (5%) of the Contract Sum then in any subsequent Certificate, payment shall be made on the full amount certified as due to the Contractor.

29.0 ADJUSTMENT OF CONTRACT SUM

The amount to be added to or deducted from the Contract Sum in respect of expense or loss due to fees and charges in relation to the supply of water and electricity and permanent connections to water, electricity, telephone and sewerage mains under clause 6.2, variations under clause 24, rectification of errors in Bill of Quantities under clause 26.3, fluctuation of price under clause 30, payment of P.C. Sums and Provisional Sums under clause 34, opening up work for inspection and testing of materials or goods and executed work under clause 35.2, loss and expense under clause 44 and costs of disposal of fossils, etc. under clause 65 hereof, shall be certified by the S.O.

30.0 FLUCTUATION OF PRICE (NOT APPLICABLE)

In accordance with the Special Provisions to the Conditions of Contract for Fluctuation of Price as contained in Appendix (if applicable), the amount payable by the SAMB to the Contractor upon the issue by the S.O. of an Interim Certificate under clause 28 hereof shall be increased or decreased accordingly. The net total of any such increases or decreases shall be given effect to in determining the Contract Sum.

31.0 FINAL ACCOUNT AND PAYMENT CERTIFICATE

- 31.1 As soon as is practicable but not later than three (3) months after the issuance of the Certificate of Practical Completion, the Contractor shall submit full particulars complete with receipts, vouchers records that would substantiate the Contractor's claim under clause 44 together with any documents, supporting vouchers and any explanation and calculations including documents relating to the accounts of Nominated Sub-Contractors or Nominated Suppliers, which may be necessary to enable the Final Account to be prepared by the S.O. PROVIDED ALWAYS the Contractor had given the notice of claim in writing within the stipulated time or times in the said provisions.

- 31.2 If the Contractor fails to submit full particulars of all claims within the stipulated period, the S.O. shall forthwith make the assessment based on the available documents submitted by the Contractor for the purpose of the Final Account. The SAMB shall be discharged from all liabilities in connection with the claims.
- 31.3 Within three (3) months after the expiry of the Defects Liability Period for the whole of the Works or three (3) months after the issue of the Certificate of Completion of Making Good Defects under clause 48 hereof, whichever is the later, the S.O. shall issue the Final Certificate.
- 31.4 The Final Certificate shall be supported by documents, and full particulars complete with receipts, vouchers records showing the S.O.'s final valuation of Works and any amount determined in clause 31.1 in accordance with the terms of this Contract. After setting out or allowing for all payments or other expenditure of the SAMB or any permitted deductions made by the SAMB or the S.O. on its behalf, the Final Certificate shall state any final balance due from the SAMB to the Contractor or from the Contractor to the SAMB, as the case may be, which shall thereupon become the debt payable. Such certificate shall also take account of any outstanding permitted deductions not yet made by the SAMB under the terms of this Contract whether by way of liquidated damages or otherwise.
- 31.5 No final payment due to the Contractor under the Final Certificate, shall be made unless and until the Contractor shall have satisfied the S.O. by means of a Statutory Declaration made by or on behalf of the Contractor to the effect that the workmen who have been employed by the Contractor on the Works including workmen employed by sub-contractors, whether nominated or otherwise (including "labour only" sub-contractors) have received all wages due to them in connection with such employment, and that all dues or contributions under the Employment Act 1955, the Employee's Social Security Act 1969, the Employee's Provident Fund Act 1965 and any other laws relevant to the employment of workmen, have been paid.

32.0 EFFECT OF S.O.'S CERTIFICATES

No certificate of the S.O. under any provision of this Contract shall be considered as conclusive evidence as to the sufficiency of any work, materials or goods to which it relates, nor shall it relieve the Contractor from his liability to amend and make good all defects, imperfections, shrinkages, or any other faults whatsoever as provided by this Contract. In any case, no certificate of the S.O. shall be final and binding in any dispute between the SAMB and the Contractor if the dispute is brought whether before an arbitrator or in the Courts.

33.0 DEDUCTION FROM MONEY DUE TO CONTRACTOR

The SAMB or the S.O. on its behalf shall be entitled to deduct any money owing from the Contractor to the SAMB under this Contract from any sum which may become due or is payable by the SAMB to the Contractor under this Contract or any other contracts to which the SAMB and Contractor are Parties thereto. The S.O. in issuing any certificate under clauses 28 and 31, shall have regard to any such sum so chargeable against the Contractor, provided always that this provision shall not affect any other remedy to which the SAMB may be entitled for the recovery of such sums.

34.0 PRIME COST / PROVISIONAL SUMS

- 34.1 In respect of any and every Prime Cost or P.C. Sum provided in the Contract, the amount due to any Contractor shall be determined by deducting the said Prime Cost or P.C. Sum and the relevant profit and/or attendance charges from the Contract Sum and substituting for the same with the actual amount due to relevant Nominated Sub- Contractor or Nominated Supplier as valued in accordance with the relevant sub-contract and the sums due to any Contractor by way

of profit and/or attendance charges at the rates or prices stipulated in the Contract Documents (if any).

- 34.2 The Provisional Sum may be expended at such times and in such amounts as the S.O. may direct. Such sum if not used either wholly or in part shall be deducted from the Contract Sum. The value of works which are executed by the Contractor in respect of Provisional Sums shall be ascertained in accordance with clause 25 hereof. The said value of such work executed by the Contractor shall be set off against all such Provisional Sums and the balance shall be added to or deducted from the Contract Sum as the case may be.
- 34.3 Any work to be executed, or materials or goods to be supplied for which Provisional Sums are provided in the Bills of Quantities may, if the S.O. so decides, be treated as P.C. Sum items and shall be dealt with in accordance with clause 34.1.
- 34.4 Where the Contractor in the ordinary course of his business directly carries out works for which P.C. Sums are provided in the Bills of Quantities and where such works are set out in Appendix hereto and the S.O. is prepared to accept tenders from the Contractor for such works the Contractor shall be permitted to tender for the same or any of them without prejudice to SAMB's right to reject the lowest or any tender. If the tender of the Contractor for any work included in the P.C. Sum is accepted, such tender shall be held to include the profit and attendance charges, and the Contractor shall not be entitled to the profit and attendance charges as contained in the Bills of Quantities notwithstanding any provision to the contrary under clause 34.1.

35.0 MATERIALS, GOODS AND WORKMANSHIP

- 35.1 All materials, goods and workmanship shall be of the respective kinds and standards described in the Specification and of good quality and in accordance with the standard of the workmanship in the industry. The Contractor shall upon the request of the S.O. furnish him with the relevant certificates and/or vouchers to prove that the materials and goods comply with the Specification.
- 35.2 The Contractor shall, entirely at his own cost, provide samples of materials and goods for testing purposes. The Contractor shall, when instructed by the S.O. to open up for inspection any work covered up, or arrange for or carry out any test of any materials or goods (whether or not already incorporated in the Works) or of any executed work which the S.O. may in writing require and the cost of such opening up or testing (together with the cost of making good in consequence thereof) shall be added to the Contract Sum unless provided for in the Bills of Quantities by way of Provisional Sums or otherwise or unless the inspection or test shows that the work, materials or goods are not in accordance with this Contract.
- 35.3 The Contractor shall pay all duties and taxes which may be imposed by law, such as customs duties and sales tax, on all materials, goods and equipment, whether purchased or imported in the Contractor's name or his agent, which are incorporated in the Works or used directly in the construction, completion or maintenance of the Works.
- 35.4 Except where otherwise specified, the Contractor shall pay all tonnage and other royalties, rent fees and other payments or compensation (if any) for getting stone, sand, gravel, clay or other materials required for the Works.

36.0 INSPECTION AND TESTING OF MATERIALS, GOODS AND EQUIPMENT

- 36.1 Further to the Contractor's obligations under clause 10, the Contractor shall submit to the S.O. for his approval, proposals for inspecting the design and setting out of the Works and testing the materials and workmanship to ensure that the Contractor's obligations under the Contract are fulfilled.

- 36.2 The Contractor shall carry out the inspection and tests approved under clause 36.5 or elsewhere in the Contract and such further tests as the S.O. may reasonably require, including to open up for inspection any work covered up or to carry out any test of any materials or goods (whether or not already incorporated in the Works or any executed Works).
- 36.3 The S.O. may issue instructions to the Contractor to remove from the Site or rectify any work, goods which are not in accordance with this Contract at his own cost.
- 36.4 The Contractor shall, as may be required by the S.O. from time to time, provide such assistance, instruments, machines, labour and materials as are normally required for the purpose of examining, measuring and testing of any work, as well as and the quality, weight or quantity of the materials used, and shall supply samples of materials before incorporation in the Works for testing.
- 36.5 Unless the Contract otherwise provides, the cost of making any test shall be borne by the Contractor if such test is:
- (a) proposed by the Contractor; or
 - (b) clearly intended by or provided for in the Contract.
- 36.6 Notwithstanding anything in clause 36.5, if the Contractor carries out any further test as required by the S.O. pursuant to clause 36.2 and the result of such test shows the workmanship or materials is not in accordance with the provisions of the Contract, then the cost of such test shall be borne by the Contractor. But if the result of such test shows the workmanship or materials comply with the provisions of the Contract, then the cost of such test shall be borne by the SAMB.

37.0 CONSTRUCTIONAL PLANT, EQUIPMENT, VEHICLES AND MACHINERIES

- 37.1 The Contractor shall pay all port dues including (but not by way of limitation) wharfage dues, pilotage fees, anchorage, berthage and mooring fees, quarantine dues, loading portorage and overtime fees for constructional plant, equipment, vehicles and machineries for use directly in connection with the construction, completion of the works brought into and despatched from Malaysia by the Contractor (or in his name by agents).
- 37.2 The Contractor shall furnish to the S.O. all such shipping documents, invoices and other documentation as may be required by the Customs Authorities in connection with the importation of goods, materials, constructional plant, equipment, vehicles and machineries.
- 37.3 In the case of constructional plant, equipment, vehicles, and machineries imported on the Contractor's behalf by importing agents and the like both the shipping documents and the invoices of the original suppliers or manufacturers must indicate clearly that the consignment is for the Contractor's account.
- 37.4 The procedure in respect of the requirements of the foregoing shall be determined by the Customs Authorities. The Contractor shall make written application to the S.O. and shall provide the relevant documentation of all constructional plant, equipment, vehicles and machineries to be imported into Malaysia not less than forty-five (45) days before the arrival of the said constructional plant, equipment, vehicles and machineries.
- 37.5 The Contractor shall pay all charges and other expenses in connection with the landing and shipment of all constructional plant materials and other things of whatsoever nature brought into or despatched from Malaysia for the purpose of the Contract.
- 37.6 The Contractor shall make his own arrangement in obtaining clearance through the Customs of constructional plant, equipment, vehicles and machineries. However, if required, the S.O.'s assistance may be sought.

- 37.7 Under this Contract, the Contractor shall be required to furnish all lists of constructional plant, equipment, vehicles and machineries to the S.O. whether the constructional plant, equipment, vehicles and machineries are hired or acquired.

38.0 POSSESSION OF SITE

- 38.1 No work under this Contract shall commence unless and until the Performance Bond stipulated under clause 13 and such insurance policy as specified under clauses 15 and 18 shall have been deposited with the SAMB, PROVIDED THAT for the purposes of this clause only (but for no other), if the Contractor shall produce to the SAMB the cover note of the said insurance policy and the receipt of premium paid, it shall be a sufficient discharge of his obligations under this clause.
- 38.2 Unless the Contract Documents shall otherwise provide, possession of the Site as complete as may reasonably be possible but not so as to constitute a tenancy, shall be given on or before the "Date for Possession" stated in the Letter of Acceptance to the Contractor who shall thereupon and forthwith commence the Works (but subject to clause 38.1) and regularly and diligently proceed with and complete the Works on or before the Date for Completion as stated in Appendix.
- 38.3 The "Date for Completion" of the Works as referred to under clause 39 hereof shall be calculated from the said "Date for Possession". PROVIDED ALWAYS that the possession of Site may be given in section or in parts and any other restrictions upon possession of the Site shall be stated in the Appendix to these Conditions or in the Contract Documents.
- 38.4 In the event of any delay in giving possession of the Site from the "Date for Possession" as stated in Letter of Acceptance or delay in giving any section or part of the Site as provided in clause 38.3, the S.O. may issue instructions in regard to the revision of the "Date for Possession" and the "Date for Completion" shall be appropriately revised under clause 43.1(h) hereof, but the Contractor shall not be entitled to claim for any loss or damage caused by such delay in giving possession of the Site, nor shall he be entitled to terminate this Contract.
- 38.5 In the event that the giving of the possession of the whole Site is delayed beyond ninety (90) days of the "Date for Possession" stated in the Letter of Acceptance, the S.O. shall give written notice to the Contractor of the causes of such delay. Upon the receipt of the said written notice issued by the S.O., the Contractor may, inform the S.O. in writing of its decision within fourteen (14) days of receipt of the said notice either to:
- (a) agree to proceed with the Works when the Site is subsequently made available, in which case clause 38.4 shall apply in particular, the Contractor shall not be entitled to claim for any loss or damage caused by such delay in giving possession of the Site, or
 - (b) terminate this Contract, without prejudice to any other rights or remedies that the SAMB and the Contractor may have as a result of the termination.
- 38.6 In the event that the giving of possession of any section or part of the Site (whether provided for in clause 38.3 or otherwise) is delayed beyond ninety (90) days from the Date of Possession stated in the Appendix or the date the Contractor is scheduled to commence work on that section or part of the Works in accordance with the approved programme of Works as referred to in clause 12 hereof as the case may be, then the S.O. shall give written notice to the Contractor of the causes of such delay. Upon receipt of the said written notice, the Contractor may inform the S.O. in writing, within fourteen (14) days of receipt of the said notice of its decision either to:
- (a) agree to proceed with the Works when the section or part of the Site is subsequently made available, in which case sub-clause 38.5(a) above shall apply and in particular, the Contractor shall not be entitled to claim for any loss or damage caused by such delay as aforesaid; or

- (b) request for S.O.'s instruction to omit the relevant section or part of the Works from the Contract. If the S.O. agrees to such request then the relevant section or part of the Works shall be duly omitted and deemed to be a variation to the Contract. Such variation shall not vitiate this Contract. If the S.O. does not agree to such request as aforesaid, then the Contractor shall be entitled to claim for any loss and/or expenses caused by and in respect of such delay beyond ninety (90) days as aforesaid.

39.0 COMPLETION OF WORKS

- 39.1 Subject to clauses 38.3 and 41, the Contractor shall complete the whole of the Works on or before the "Date for Completion" as stated in the Appendix or such extended time as may be allowed under clause 43 hereof.
- 39.2 If the Contractor considers that the works have achieved practical completion, the Contractor shall notify the S.O. in writing to that effect.
- 39.3 Within 14 days of receipt of such notice, the S.O. shall carry out testing/ inspection of the Works. Pursuant to such inspection/testing, the S.O. shall —
 - (a) issue the Certificate of Practical Completion to the Contractor if in his opinion the whole Works have reached Practical Completion and have satisfactorily passed any inspection/test carried out by the S.O. The date of such completion shall be certified by the S.O. and such date shall be the date of the commencement of the Defects Liability Period as provided in clause 48 hereof; or
 - (b) give instruction to the Contractor specifying all defective works which are required to be completed by the Contractor before the issuance of the Certificate of Practical Completion.
- 39.4 If the S.O. has given instruction pursuant to clause 39.3(b), no Certificate of Practical Completion shall be issued to the Contractor until the Contractor has effectively carried out the remedial work within reasonable period to the satisfaction of the S.O.
- 39.5 The Works shall not be regarded as practically complete unless it has fulfilled the following:
 - (a) the Works have been completed in accordance with the terms and conditions of this Contract;
 - (b) the SAMB can have full, proper and beneficial use of the Works for their intended purpose, notwithstanding that there may be works of a very minor defects PROVIDED THAT such works do not prevent or diminish the full, proper and beneficial use as aforesaid;
 - (c) the Works have passed any commissioning tests required in the Contract Document;
 - (d) the Works shall be made available to the SAMB in a condition fit for occupation; and
 - (e) all the essential services, including access roads, landscape, car parks, drains, sanitary, water and electricity installation, fire hydrant, sewerage and refuse disposal equipment and fire lifts specified in this Contract.
- 39.6 When the whole of the Works have reached practical completion to the satisfaction of the S.O., the date of such completion shall be certified by him and such date shall be the date of the commencement of the Defects Liability Period as provided in clause 48 hereof.

40.0 DAMAGES FOR NON-COMPLETION

- 40.1 If the Contractor fails to complete the Works by the Date for Completion or within any extended time granted pursuant to clause 43, the S.O. shall forthwith issue a Certificate of Non-Completion to the Contractor.
- 40.2 Without prejudice to the SAMB's right to terminate this Contract, when the S.O. issues the Certificate of Non-Completion, the SAMB shall be entitled to recover from the Contractor, Liquidated and Ascertained Damages calculated at the rate stated in Appendix 1 from the period of the issuance of the Certificate of Non-Completion to the date of issuance of Certificate of Practical Completion or the date of termination of this Contract. The S.O. may deduct such Liquidated and Ascertained Damages from any money due or to become due to the Contractor, failing which such damages "shall be recovered from the Performance Bond or as a debt due from the Contractor. The S.O. shall inform the Contractor in writing of such deduction.
- 40.3 The Liquidated and Ascertained Damages stated in Appendix 1 shall be deemed to be a reasonable amount of loss which the SAMB will suffer in the event that the Contractor is in breach of this clause. The Contractor by entering into this Contract agrees to pay to the SAMB the said amount(s) if the same become due without the need of the SAMB to prove his actual damage or loss.
- 40.4 The payment or deduction of such Liquidated and Ascertained Damages shall not relieve the Contractor from his obligation to complete the Works or from any of its obligations and liabilities under the Contract.

41.0 SECTIONAL COMPLETION

- 41.1 Where different completion dates for different sections or parts of the Works are stated and identified in Appendix or elsewhere in the Contract Documents and different and separate Liquidated and Ascertained Damages are provided for each section or part of the Works, the provisions of this Contract in regard to:
- (a) Certificate of Practical Completion;
 - (b) Delay and Extension of Time;
 - (c) Liquidated Ascertained Damages; and
 - (d) Defects Liability Period,
- but not Insurance of the Works under clause 18, Performance Bond under clause 13 and final payment on the Final Certificate under clause 31 hereof shall, in the absence of any express provision to the contrary elsewhere in the Contract Documents apply as if each such section or part was the subject of a separate and distinct contract between the SAMB and the Contractor.
- 41.2 For the avoidance of doubt, nothing contained in clause 41.1 shall entitle the Contractor to the release of the whole or any part of the Performance Bond or Performance Guarantee Sum deposited by him. The Performance Bond or Performance Guarantee Sum shall be released or be refunded only upon the issue of the Certificate of Making Good Defects of the whole of the Works or in respect of the last section of the Works, as the case may be.

42.0 **PARTIAL OCCUPATION/TAKING OVER BY SAMB**

- 42.1 If at any time before the whole of the Works have reached practical completion pursuant to clause 39, the SAMB with the consent of the Contractor (which consent shall not be unreasonably withheld) shall take possession of and occupy any part or parts of the same (any such part being hereinafter in this Clause referred to as 'the relevant part'), then notwithstanding anything expressed or implied elsewhere in this Contract.

Certificate of *Partial Occupation*

- (a) within seven (7) days from the date on which the SAMB shall have taken possession of the relevant part, the S.O. shall issue a Certificate of Partial Occupation in respect of the relevant part stating the estimated value of the said relevant part, and for all the purposes of this Clause (but for no other) the value so stated shall be deemed to be the total value of the said relevant part;

Defects Liability Period

- (b) for the purposes of clauses 39 and 48 hereof, the relevant part shall be deemed to have reached practical completion and the Defects Liability Period in respect of the relevant part shall be deemed to have commenced on the date on which the SAMB shall have taken possession and occupied thereof;

Certificate of Making Good Defects

- (c) at the end of the Defects Liability Period of the relevant part and if in the opinion of the S.O. any defect, imperfection, shrinkage or any other fault whatsoever in respect of the relevant part which he may have required to be made good under clause 48.1, shall have been made good by the Contractor, the S.O. shall issue a certificate to that effect;

Reduction of Liquidated Ascertained Damages

- (d) if, before the time of completion of the whole of the Works or, if applicable any section, a Certificate of Practical Completion has been issued for any part of the Works or of a section, the rate of the liquidated and ascertained damages for delay in completion of the remainder of the Works or of that section shall, for any period of delay after the date stated in such Certificate of Practical Completion, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or section, as applicable;

Insurance of the Works

- (e) notwithstanding the partial occupation by the SAMB of the relevant part the Contractor shall insure and keep insured the Works in the manner as stipulated under clause 18 and the Contractor shall give notice to the insurer of such partial occupation; and

Performance Bond Not Affected/

- (f) it is expressly agreed that nothing contained in the preceding paragraphs shall entitle the Contractor to the release of the Performance Bond or any part thereof deposited by him under clause 13 hereof, the intention being that the said Performance Bond or any part thereof shall be released or refunded only upon the completion of making good all defects, imperfections, shrinkages or other faults which may appear during the Defects Liability Period and upon the giving of the Certificate of Completion of Making Good Defects for the whole of the Works under clause 48 hereof.

43.0 DELAY AND EXTENSION OF TIME

43.1 Upon it becoming reasonably apparent that the progress of the Works is delayed, the Contractor shall forthwith give written notice to the S.O as to the causes of delay and relevant information with supporting documents enabling the said officer to form an opinion as to the cause and calculation of the length of delay. If in the opinion of the S.O the completion of the Works is likely to be delayed or has been delayed beyond the Date for Completion stated in Appendix 1 or beyond any extended Date for Completion previously fixed under this Clause due to any or more of the following events:

- (a) force majeure as provided under clause 58;
- (b) exceptionally inclement weather;
- (c) suspension of Works under clause 50;
- (d) directions given by the S.O., consequential upon disputes with neighboring owners provided the same is not due to any act, negligence or default of the Contractor or any sub-contractor, nominated or otherwise;
- (e) S.O.'s instructions issued under clause 5 hereof, PROVIDED THAT such instructions are not issued due to any act, negligence, default or breach of this Contract by the Contractor or any sub-contractor, nominated or otherwise;
- (f) the Contractor not having received in due time instructions in regard to the nomination of sub-contractors and/or suppliers provided in this Contract, necessary instructions, drawings or levels for the execution of the Works from the S.O. due to any negligence or default of the S.O. PROVIDED THAT the Contractor shall have specifically applied in writing on a date which having regard to the Date for Completion stated in Appendix or to any extension of time then fixed under this clause, was neither unreasonably distant from nor unreasonably close to the date on which it was necessary for him to receive the same;
- (g) delay in giving possession of the Site as provided under clause 38.4 hereof other than claim in effecting insurance and Performance Bond;
- (h) delay on the part of artists, tradesmen or others engaged by the SAMB in executing work not forming part of this Contract;
- (i) the Contractor's inability for reason beyond his control and which he could not reasonably have foreseen at the date of closing of tender of this Contract to secure such goods, materials and/or services as are essential to the proper carrying out of the Works; or
- (j) delay on the part of the Nominated Sub-contractors and/or Nominated Suppliers to perform their works, due to reasons as stated above in sub-clauses (a) to (i),

then the S.O. may if he is of the opinion that the extension of time should be granted, so soon as he is able to estimate the length of the delay beyond the date or time aforesaid issue a Certificate of Delay and Extension of Time giving a fair reasonable extension of time for completion of the Works.

PROVIDED THAT all such delays are not due to any act, negligence, default or breach of contract by the Nominated Sub-contractor and/or Nominated Supplier and/or the Contractor, or

any of the servants or agents of such Nominated Sub-contractor or Nominated Supplier or the Contractor.

PROVIDED ALWAYS that the Contractor has taken all reasonable steps to avoid or reduce such delay and shall do all that may reasonably be required to the satisfaction of the S.O. to proceed with the Works.

PROVIDED FURTHER that the Contractor shall not be entitled to any extension of time where the instructions or acts of the S.O. are necessitated by or intended to remedy any default of or breach of contract by the Contractor.

44.0 CLAIMS FOR LOSS AND EXPENSE

44.1 If at any time during the regular progress of the Works or any part thereof has been materially affected by reason of delays as stated under clause 43.1 (c), (d), (e), (f) and (h), and the Contractor has incurred direct loss and/or expense beyond that reasonably contemplated and for which the Contractor would not be reimbursed by a payment made under any other provision in this Contract, then the Contractor shall within thirty (30) days of the occurrence of such event or circumstances or instructions give notice in writing to the S.O. of his intention to claim for such direct loss or expense together with an estimate of the amount of such loss and/or expense, subject always to clause 44.2 hereof.

44.2 As soon as is practicable but not later than ninety (90) days after practical completion of the Works, the Contractor shall submit full particulars of all claims for direct loss or expense under clause 44.1 together with all supporting documents, vouchers, explanations and calculations which may be necessary to enable the direct loss or expense to be ascertained by the S.O.. The amount of such direct loss or expense ascertained by the S.O. shall be added to the Contract Sum.

44.3 If the Contractor fails to comply with clauses 44.1 and 44.2, he shall not be entitled to such claim and the SAMB shall be discharged from all liability in connection with the claim.

45.0 INVESTIGATION BY THE SAMB AND OTHER PERSONS IN CASE OF ACCIDENT, FAILURE OR OTHER EVENT

Where the SAMB, its employee or any person or body appointed or authorised by it carries out any investigation in relation to any accident, failure or other event which has occurred to, in or in connection with the Works or any part thereof for the purpose of determining the cause or reason for the said accident, failure or event, the Contractor shall render all such necessary assistance and facilities as may be required by the SAMB, its employee or such person or body, including the giving of access to all specifications, designs, records and other available information relating to the Works.

46.0 ACCESS FOR WORKS, ETC.

46.1 Access for S.O.

(a) The S.O. and any person authorised by the S.O. shall at all times have access to the Works and to the factories, workshops or other places of the Contractor or of any sub-contractor or supplier where any equipment, materials, goods or work are manufactured, fabricated, assembled, prepared or stored for the Contract.

(b) Where any such equipment, materials, goods or work are being manufactured, fabricated, assembled, prepared or stored in the factories, workshops or other places of

a sub-contractor or supplier, the Contractor shall by a term in the sub-contract secure a similar right of access to those factories, workshops or other places for the S.O. and any person authorised by the S.O., and shall take reasonable steps required of him by the S.O. to enforce or assist in enforcing such right.

- (c) Any person so removed from the Works shall be replaced without delay by a substitute approved by the S.O.; PROVIDED THAT the Contractor shall not be entitled to any claim for any expense whatsoever incurred by him in respect of any direction given by the S.O. under this Clause.

46.2 Access for Other Contractors and Workmen

The Contractor shall in accordance with the requirements of the S.O. afford all reasonable access and facilities to any other person engaged by the SAMB and their workmen and of any other constituted authorities for the purposes of executing any work on or near the Site.

47.0 SUB-CONTRACT OR ASSIGNMENT

- 47.1 The Contractor shall not without the prior written consent of the S.O. (which consent shall not be unreasonably delayed or withheld) sub- contract the design for any portion of the Works under clause 22 of this Contract. Where the S.O. consents to any sub-contract under this clause, such consent shall not in any way absolve the obligations of the Contractor under clause 10.
- 47.2 The Contractor shall not sub- contract the whole or any substantial part of the Works without the prior written consent of the S.O. (which consent shall not be unreasonably delayed or withheld). Any such consent, if given, shall not relieve the Contractor from any liability or obligation under this Contract and he shall be responsible for the due observance by such sub-contractors, of all the terms, stipulations and conditions under this Contract.
- 47.3 Notwithstanding any sub-contract made pursuant to clauses 47.1 and 47.2, the Contractor shall be fully responsible for the acts, defaults or neglects of any sub-contractor, including 'labour only' sub-contractors, his agents, servants or workmen as if they were the acts, defaults or neglects of the Contractor, his agents, servants or workmen; PROVIDED THAT the provision of labour on a piecework basis shall not be deemed to be a sub-contract under this clause.
- 47.4 It shall be a condition in any sub-contract which has been consented to by the SAMB that upon termination of the Contractor's employment under the Contract, the employment of the sub-contractor under the sub-contract shall terminate immediately. No claim whatsoever shall be made by the Contractor and/or sub-contractor against the SAMB for any work done or materials or goods supplied.
- 47.5 If the Contractor sub-contracts the Works, in whole or in part, to any person without getting prior written consent of the S.O. as provided under this clause, the S.O. shall have the right to instruct the Contractor to forthwith terminate such sub-contract and the Contractor shall be liable for all costs and expense relating to such termination.
- 47.6 The Contractor shall not assign the Contract or any part thereof, or any benefit or interest therein or thereunder otherwise than by way of assignment in favour of the Contractor's banker or any financial institution or Corporation of any monies due or to become due under this Contract without prior written consent of the S.O.

48.0 DEFECTS AFTER COMPLETION

48.1 Completion of Outstanding Work and Remedying Defects

- (a) At any time during the Defects Liability Period as stated in Appendix hereto (or if none stated the period is twelve (12) months from the date of practical completion of the Works), any defect, imperfection, shrinkage or any other fault whatsoever which may appear and which are due to materials or goods or workmanship not in accordance with this Contract, the S.O. shall issue written instruction to the Contractor to make good such defects, imperfections, shrinkages or any other fault whatsoever at the Contractor's own cost. The Contractor shall complete all such works with due expedition or within such time as may be specified by the S.O.
- (b) Without prejudice to sub-clause (a), any defect, imperfection, shrinkage or any other fault whatsoever which may appear during the Defects Liability Period to be made good by the Contractor, shall be specified by the S.O. in the Schedule of Defects which he shall deliver to the Contractor not later than fourteen (14) days after the expiration of the Defects Liability Period. The defects, imperfections, shrinkages or any other fault whatsoever specified in the Schedule of Defects shall be made good by the Contractor at his own costs and to be completed within a reasonable time but in any case not later than three (3) months after the receipt of the said Schedule. PROVIDED THAT the S.O. shall not be allowed to issue any further instruction requiring the Contractor to make good of any defect, imperfection, shrinkage or any other fault whatsoever after the issuance of the said Schedule of Defects or after fourteen (14) days from the expiration of the said Defects Liability Period, whichever is the later.

48.2 Default in Remedying Defects

If the Contractor shall fail to comply with either clause 48.1(a) and/or 48.1(b) within the time so specified, the materials or works so affected may be made good in such manner as the S.O. may think fit, in which case the costs incurred including On-Cost Charges (calculated by applying the Percentage of On-Cost Charges stated in Appendix to the costs incurred), shall be deducted from any money due or to become due, to the Contractor under this Contract and failing which such costs shall be recovered from the Performance Bond or as a debt due from the Contractor.

48.3 Diminution in Value of Works

If any defect, imperfection, shrinkage or any other fault whatsoever is such that, in the opinion of the S.O., It shall be impracticable or inconvenient to the SAMB to have the Contractor to remedy the same, the S.O. shall ascertain the diminution in the value of the Works due to the existence of such defects, imperfections, shrinkages or any other fault whatsoever. The amount of such diminution shall be recoverable by the SAMB from the Contractor as a debt due under the Contract and failing which such diminution shall be recovered from the Performance Bond.

48.4 Certificate of Completion of Making Good Defects

When in the opinion of the S.O. the Contractor has made good the defects, imperfections, shrinkages or any other fault whatsoever which he is required to make good under clauses 48.1(a) or (b), or both, the S.O. shall issue a certificate to that effect, and the date specified in such certificate shall be the date on which the Contractor has completed making good such defects, imperfections, shrinkages or any other fault whatsoever. The said Certificate shall be referred to as the "Certificate of Completion of Making Good Defects".

49.0 UNFULFILLED OBLIGATIONS

Notwithstanding the issue of the Certificate of Completion of Making Good Defects under clause 48.4 hereof the Contractor and the SAMB shall remain liable for the fulfilment of any obligation incurred under the provisions of the Contract, prior to the issue of the said certificate, which remains unfulfilled at the time such certificate is issued, and for the purpose of determining the nature and extent of any such obligation, the Contract shall be deemed to remain in force between the Parties hereto.

50.0 SUSPENSION OF WORKS

50.1 Suspension and Resumption of Works

- (a) The S.O. may at any time instruct the Contractor to suspend part or all of the Works.
- (b) Upon receipt of such written instruction, the Contractor shall suspend part or all of the Works for such time and in such manner as specified in the instruction and shall duly protect, store and secure the Works or such part of the Works against any deterioration, loss or damage.
- (c) During the suspension period, the Contractor shall continue to perform its obligations under this Contract, which are not affected by the instruction to suspend, including the obligation to effect and maintain insurances and Performance Bond.
- (d) The S.O. may instruct the Contractor to resume the Works at any time thereafter. Upon receipt of such instruction the Contractor shall resume the Works, and the Parties shall jointly examine the Works affected by the suspension. The Contractor shall make good any deterioration or defect in or loss of the Works which has occurred during the suspension. The Contractor shall also take all necessary actions to mitigate the expenses incurred

50.2 Extension of Time

If the Contractor suffers delay and/or incurs expenses in complying with the instruction under clause 50.1(a), and in resumption of the Works, and if such delay and/or expenses was not foreseeable by the Contractor, the Contractor shall give notice for extension of time under clause 43 and the provisions thereof shall apply accordingly. PROVIDED THAT the Contractor shall not be entitled to such extension if the suspension is due to a cause attributable to the Contractor and he shall not be entitled to payment of loss and expense if he —

- (a) fails to take measures specified in clause 50.1(b); and
- (b) fails to take all necessary action to mitigate the expenses incurred.

In the event such suspension shall continue for a period exceeding twelve (12) months, the Parties shall then discuss whether to mutually terminate the Contract or suspend the Works for a further period.

50.3 Consequences of Mutual Termination

- (a) If the Contract is mutually terminated under this clause-
 - (i) clause 51.1(c)(i) shall be applicable; and
 - (ii) payment obligations including all costs and expenditure incurred by the SAMB and the Contractor shall be ascertained in accordance with clause 54.

51.0 **EVENTS AND CONSEQUENCES OF DEFAULT BY THE CONTRACTOR**

51.1 **Default of Obligations**

(a) **Events of Default**

In the event the Contractor -

- (i) fails to commence works at the Site within two (2) weeks after the Date for Possession;
- (ii) suspends or abandons the carrying out of the Works or any part thereof for a continuous period of () days;
- (iii) fails to proceed regularly and diligently with the performance of his obligations under the Contract;
- (iv) fails to execute the Works in accordance with the Contract;
- (v) persistently neglects to carry out his obligations under the Contract;
- (vi) refuses or persistently neglects to comply with a written notice from the S.O. in relation to any defective work or equipment, materials or goods which are defective or do not meet the requirements of the Contract;
- (vii) fails to comply with the provisions of clause 47; or
- (viii) fails to comply with any terms and conditions of this Contract,

then the SAMB shall give written notice to the Contractor specifying the default, and requiring the Contractor to remedy such default within fourteen (14) days of the receipt of the default notice or any period determined by the SAMB.

(b) **Termination**

If the Contractor fails to remedy the breach within such period, the SAMB shall have the right to forthwith terminate this Contract by giving a written notice to that effect

(c) **Consequences of Termination**

If this Agreement is terminated under clause 51.1(b) -

- (i) the Contractor shall -
 - (A) forthwith cease all operations of the Works;
 - (B) carry out any protection works so as to secure the Site, equipment, goods, materials therein against any deterioration, loss or damage and to do all necessary things so as to leave the Site in a clean and tidy condition;
 - (C) remove its personnel and workmen from the Site;
 - (D) vacate the Site within the time stipulated by the S.O., remove all temporary buildings, plant, tools, equipment, goods and unfixed materials which have not been paid by the SAMB, as specified by the S.O. Failing which, the SAMB may (but without being responsible for any

loss or damage) remove and sell any such property belonging to the Contractor, holding the proceeds, less all cost incurred, to the credit of the Contractor;

(E) either -

(aa) terminate all third party contracts entered into by the Contractor for the purposes of this Contract;

(bb) assign to the SAMB, if so required by the S.O., at no cost or expense to the SAMB, the benefit of any agreement for the supply of materials or goods and/or for the execution of any work or services for the purposes of this Contract; or

(cc) allow such third party to enter into a contract with the SAMB or any person deemed necessary by the SAMB for the purpose of completing the Works;

PROVIDED THAT the SAMB shall not be obliged to pay any third party for any materials or goods delivered or any work executed or services for the purposes of this Contract (whether before or after the date of termination) for which the SAMB has paid but the Contractor has failed to make payment to the third party;

(F) at no cost to the SAMB, hand over to the SAMB all plans, designs, specification and other relevant documents relating to the Works;

(G) pay to the SAMB for any losses and damages as a result of termination of this Contract in the manner provided under clause 56; and

(H) not be released from any of its obligations under the Contract.

(ii) the SAMB shall —

(A) call upon the Performance Bond or forfeit the Performance Guarantee Sum;

(B) enter and repossess the Site;

(C) be entitled to carry out and complete the Works on its own or employ any other person to carry out and complete the Works; and

(D) be entitled to claim against the Contractor for any losses, costs, expenses and damages suffered as a result of termination of this Contract in the manner provided under clause 56.

(iii) for the avoidance of doubt, the Parties hereby agree that the Contractor shall not be entitled to any form of losses including loss of profit, damages, claims or whatsoever upon termination of this Contract under this clause.

51.2 General Default

(a) Events of Default

If at any time during the Contract Period-

- (i) the Contractor becomes bankrupt;
- (ii) the Contractor becomes insolvent or compounds with or enters into an arrangements or compositions with its creditors;
- (iii) an order is made or resolution is effectively passed for the winding-up of the Contractor (except for the purpose of restructuring or amalgamation with the written consent of the SAMB, which consent shall not be unreasonably withheld);
- (iv) a provisional liquidator, receiver or manager of its business or undertaking duly appointed, or possession taken by or on behalf of creditors or debenture holders secured by a floating charge of any property comprised in or subject of the floating charge; or
- (v) execution is levied against a substantial portion of the Contractor's assets,

then the SAMB shall have the right to terminate this Contract forthwith by giving notice to that effect.

(b) Consequences of Termination

- (i) In the event the termination of this Contract under clause 51.2 takes place, clauses 51.1(c)(i) and 51.1(c)(ii) shall apply.
- (ii) For the avoidance of doubt, the Parties hereby agree that the Contractor shall not be entitled to any form of losses including loss of profit, damages, claims or whatsoever upon termination of this Contract under this clause.

52.0 TERMINATION ON NATIONAL INTEREST

52.1 Termination

- (a) Notwithstanding any provision of this Contract, the SAMB may terminate this Contract by giving not less than thirty (30) days written notice to that effect to the Contractor (without any obligation to give any reason thereof) if the SAMB considers that such termination is necessary for national interest, national policy or national security.
- (b) For the purpose of this clause, what constitutes "national interest", "national policy" and "national security", shall be solely made and determined by the SAMB and such determination shall for all intent and purposes be final and conclusive and shall not be open to any challenge whatsoever.

52.2 Consequences of Termination

Upon such termination of this Contract under clause 52.1-

- (a) payment obligations including all costs and expenditure incurred by the SAMB and the Contractor shall be ascertained in accordance with clause 54; and
- (b) clause 51.1(c)(i) and clause 51.1(c)(ii)(B) and (C) shall apply.

53.0 TERMINATION ON CORRUPTION, UNLAWFUL OR ILLEGAL ACTIVITIES

53.1 Termination

Without prejudice to any other rights of the SAMB, if the Company, its personnel, servants or employees is convicted by a court of law for corruption or unlawful or illegal activities in relation to this Contract or any other agreement that the Contractor may have with the SAMB, the SAMB shall be entitled to terminate this Contract at any time, by giving immediate written notice to that effect to the Contractor.

53.2 Consequences of Termination

Upon such termination under clause 53.1 —

- (a) the SAMB shall be entitled to all losses, costs, damages and expenses including any incidental costs and expenses incurred by the SAMB arising from such termination;
- (b) clause 51.1(c)(i) and (ii) shall apply; and
- (c) for the avoidance of doubt, the Parties hereby agree that the Contractor shall not be entitled to any other form of losses including loss of profit, damages, claims or whatsoever upon termination of this Contract.

54.0 PAYMENTS UPON SUSPENSION AND TERMINATION ON NATIONAL INTEREST

54.1 If this Contract is terminated under clause 50 or clause 52, the amount to be paid (in so far as such amounts or items have not already been covered by payments on account made to the Contractor) shall be the following:

- (a) the value of all work carried out up to the date of termination;
- (b) the amounts payable in respect of any preliminary items so far as the Work or service comprised therein has been carried out or performed and a proper proportion of any such items which have been partially carried out or performed;
- (c) the cost of materials or goods reasonably ordered for the Works which have been delivered to the Contractor or of which the Contractor is legally liable to accept delivery (such materials or goods becoming the property of the SAMB upon such payment being made to the Contractor);
- (d) a sum being the amount of any expenditure reasonably incurred by the Contractor in so far as such expenditure has not been recovered by any other payments referred to in this sub-clause; and
- (e) the reasonable cost of any protection works and removal of equipment and site facilities pursuant to termination as provided under this Contract,

PROVIDED THAT such amount to be paid by the SAMB shall be confined only to those items as are clearly and expressly stated in sub-clauses (a)-(e) above.

54.2 For the avoidance of doubt, the Parties hereby agree that the Contractor shall not be entitled to any other form of losses including loss of profit, damages, claims or whatsoever other than stipulated under clause 54.1(a)-(e). The Parties further agree that the amount agreed above by the SAMB shall constitute as a full and final settlement between the Parties.

- 54.3 Upon termination of this Contract under clause 50 and clause 52, a final account of this Contract shall be prepared and issued by the S.O.

55.0 EVENTS AND CONSEQUENCES OF DEFAULT BY THE SAMB

Default of Obligations

(a) Events of Default

If the SAMB without any reasonable cause fails to perform or fulfil any of its obligations which adversely affects the Works,

then the Contractor may issue a notice specifying the default by the SAMB and requiring the SAMB to remedy the same within the period specified therein taking into account the nature of the remedy to be carried out by the SAMB or such other period as may be agreed by both Parties from the date of receipt of such notice.

(b) Termination

If the SAMB fails to remedy the default period specified in such notice issued under Clause 55 (a) within the stipulated period time therein, the Contractor shall have the right to forthwith terminate this Contract by giving a written notice to that effect.

(c) Consequences of Termination

If this Contract is terminated under Clause 55 (b)

- i. the SAMB shall pay to the Contractor —
 - (a) the value of the Works carried out up to the date of termination;
 - (b) the amounts payable in respect of any preliminary items so far as the Work or service comprised therein has been carried out or performed and a proper proportion of any such items which have been partially carried out or performed;
 - (c) the cost of materials or goods reasonably ordered for the Works which have been delivered to the Contractor or of which the Contractor is legally liable to accept delivery (such materials or goods becoming the property of the SAMB upon such payment being made to the Contractor); and
 - (d) a sum being the amount of any expenditure reasonably incurred by the Contractor in so far as such expenditure has not been recovered by any other payments referred to in this sub-clause.
- ii. For the avoidance of doubt, the Parties hereby agree that the Contractor shall not be entitled to any other form of losses including loss of profit, damages, claims or whatsoever upon termination of this Contract.

56.0 CERTIFICATE OF TERMINATION COSTS

- 56.1 As soon as the arrangements for the completion of the Works made by the SAMB enable the S.O. to make a reasonably accurate assessment of the ultimate cost to the SAMB of completing the Works following the termination of the Contractor's employment and the engagement of other contractors or persons, and the amount of direct loss and/or damage caused to the SAMB due to the termination has been ascertained by the S.O., then the S.O. may issue a certificate (hereinafter referred to as the "Certificate of Termination Costs")

stating the Completion Cost (hereinafter defined) and the Final Contract Sum (hereinafter defined).

56.2 The Completion Cost comprises the following sums, costs or expenditure:

- (a) the sums previously paid to the Contractor by the SAMB;
- (b) the sums paid or payable to other contractors or persons engaged by the SAMB to complete the Works;
- (c) any sums paid to sub-contractors or suppliers under clause 61;
- (d) any costs or expenditure incurred or to be incurred including On-Cost Charges incurred by the SAMB in completing the Works; and
- (e) the amount of direct loss and/or damage caused to the SAMB due to the termination.

56.3 The Final Contract Sum comprises of the following amounts or sums:

- (a) the amount which would have been payable under the Contract on completion in accordance with the Contract, allowing any variations or other matters which would have resulted in an adjustment of the original Contract Sum; and
- (b) any other sums which the SAMB might be entitled under the terms of the Contract to deduct from the original Contract Sum,

had the Contractor's employment not been terminated.

56.4 The Certificate of Termination Costs shall state the difference between the Final Contract Sum and the Completion Cost. If the Final Contract Sum is less than the Completion Cost, the difference shall be a debt payable by the Contractor to the SAMB and if greater the difference shall be a debt payable by the SAMB to the Contractor.

56.5 The Certificate of Termination Costs shall be binding and conclusive on the Contractor as to the amount of such loss or damage specified therein.

56.6 In the event the completion of the Works being undertaken departmentally, allowance shall be made, when ascertaining the amount to be certified as costs and expense incurred by the SAMB, for cost of supervision, interest and depreciation on plant and all other usual overhead charges and profit as would be incurred if the Works were completed by other contractors or persons.

57.0 SURVIVING RIGHTS

Any termination under this Contract shall not affect the liability of either Party hereto for any of its acts or omissions during the period of the Contract and both Parties shall thereafter continue to be so liable and shall keep the other Party hereto indemnified and hold harmless in respect of any claims arising therefrom.

58.0 EFFECT OF FORCE MAJEURE

58.1 Neither the SAMB nor the Contractor shall be in breach of its obligations under this Contract if it is unable to perform its obligation under this Contract (or any part of thereof), other than the payment obligations as a result of the occurrence of an Event of Force Majeure.

58.2 An "Event of Force Majeure" is an event beyond the control of both Parties which are:

- (a) war (whether declared or not), hostilities, invasion, act of foreign enemies;
- (b) insurrection, revolution, rebellion, military or usurped power, civil war, terrorism;
- (c) natural catastrophe including but not limited to earthquakes, floods, subterranean spontaneous combustion or any operation of the forces of nature against which an experienced contractor could not reasonably have been expected to take precautions;
- (d) nuclear explosion, radioactive or chemical contamination or radiation (unless caused by the negligence act, omission or default of the Contractor, its agents or personnel);
- (e) pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds; and
- (f) riot, commotion or disorder, unless solely restricted to employees of the Contractor or its personnel, servants or agents.

58.3 If an Event of Force Majeure occurs by reason of which either Party is unable to perform any of its obligation under this Contract (or any part thereof), the Party shall inform the other Party immediately of the occurrence of that Event of Force Majeure with full particulars thereof and the consequences thereof.

58.4 If either Party considers the Event of Force Majeure to be of such severity or to be continuing for such period of time that it effectively frustrates the original intention of this Contract, then the Parties may agree that this Contract may be terminated upon mutual agreement of the Parties.

58.5 If this Contract is terminated by an Event of Force Majeure pursuant to the above clause, all rights and obligations of the Parties under this Contract shall forthwith terminate and neither Party shall have any claim against the other Party and neither Party shall be liable to each other save for any rights and liabilities accruing prior to the occurrence of the Event of Force Majeure.

58.6 Neither Party shall be entitled to rely upon the provisions above if both Parties reasonably determine that an Event of Force Majeure has not occurred.

58.7 For avoidance of doubt, the Parties shall continue to perform those parts of those obligations not affected, delayed or interrupted by an Event of Force Majeure and such obligations shall, pending the outcome of this clause continue in full force and effect.

59.0 SITE AGENT AND ASSISTANTS

Unless otherwise provided elsewhere in this Contract, the Contractor shall keep constantly on the Site a competent, efficient, suitability qualified, experienced and good character site agent and his assistants in each trade as may be necessary who must be capable of receiving instructions in Bahasa Malaysia, and in default it shall be the responsibility of the Contractor to provide replacement for them and all wages and other expenses in connection with the employment of such replacement site agent and assistants. Any directions, explanations or instructions given to such site agent by the S.O. shall be deemed to have been given to the Contractor under this Contract.

60.0 NOMINATED SUB-CONTRACTORS AND/OR NOMINATED SUPPLIERS

60.1 The S.O. shall obtain tenders for Nominated Sub-Contractor's or Nominated Supplier's work or services, or for the supply of materials or goods in respect of which Prime Cost Sums or

Provisional Sums are included in the Bills of Quantities, and the Contractor shall, on the written instruction of the S.O., enter into such sub-contracts with the Nominated Sub-Contractor or Nominated Supplier as the case may be and such sub-contracts shall be in the form as referred to in clause 60.2(b).

- 60.2 The S.O. shall not nominate as a sub-contractor or a supplier in connection with the Works:
- (a) a person against whom the Contractor shall make in writing within twenty one (21) days from the date of the S.O.'s instruction under clause 60.1 hereof what the S.O. considers to be reasonable objection;
 - (b) a person who will not enter into a sub-contract with terms and conditions as provided in the SAMB standard form of sub-contract for Nominated Sub-contractor (Form PWD 203N) or for Nominated Supplier (Form PWD 203P), as the case may be; or
 - (c) a person who will not give to the SAMB such indemnity with terms and conditions as provided in the SAMB standard form of Letter of Indemnity for Nominated Sub-contractors (Form PWD 203N7) or for Nominated Suppliers (Form PWD 203P7), as the case may be.
- 60.3 If pursuant to clause 60.2, the Contractor is not required to enter into a sub-contract with a Nominated Sub-contractor or Nominated Supplier, as the case may be, the S.O. shall do one or more of the following:
- (a) nominate an alternative sub-contractor or supplier, as the case may be, in which case clause 60.2 hereof shall apply;
 - (b) by order under clause 24 vary the Works or the work or services, materials or goods, the subject of the Prime Cost Sums or Provisional Sum as aforesaid, including if necessary the omission of any such work or services, materials or goods so that they may be provided by workmen, contractors or suppliers, as the case may be, employed by the SAMB either concurrently with the Works or at some other date in which case the Contractor shall not be entitled to claim for any losses therefrom; or
 - (c) in accordance with clause 34.4 arrange for the Contractor to execute such work or services, or to supply such materials or goods.

61.0 PAYMENT TO NOMINATED SUB-CONTRACTOR OR SUPPLIER

- 61.1 The S.O. in issuing Interim Certificates under clause 28 or the Final Certificate under clause 31 hereof shall state separately the amount of interim or final payment due to each Nominated Sub-Contractors or Suppliers which amount subject to clause 61.2 hereof, shall be paid by the SAMB direct to the Nominated Sub-contractors or Suppliers. The amount paid by the SAMB direct to the Nominated Sub-contractors or Suppliers shall be deemed to be a payment to the Contractor by the SAMB under and by virtue of this Contract.
- 61.2 Subject to the relevant provisions in the sub-contract (Form PWD 203N or Form PWD 203P as the case may be), the Contractor shall be entitled to be paid and the SAMB may pay to the Contractor out of any money otherwise due to a Nominated Sub-contractors or Suppliers:
- (a) any amount which the SAMB or the S.O. on its behalf in exercise of any rights under this Contract has deducted from any money due to the Contractor and such deduction is in respect of some act or default solely of the Nominated Sub-contractors or Suppliers, his servants or agents;
 - (b) any amount agreed by the Nominated Sub-Contractor or Suppliers as due to the Contractor, or any amount awarded in arbitration or litigation in favour of the Contractor which arises out of or under the sub-contract; and

- (c) the amount of any claim for loss and/or expense actually incurred by the Contractor by reason of any breach or failure to observe the provisions of the sub-contract by the Nominated Sub-contractors or Suppliers under the sub-contract.

61.3 Any amount paid to the Contractor in accordance with this clause shall be deemed to be a payment to the Nominated and/or Sub-Contractors or Suppliers under the sub-contract.

62.0 NO LIABILITY OF SAMB TO NOMINATED AND/OR SUB-CONTRACTOR OR SUPPLIER

Nothing in clauses 60 or 61 or anything else contained in this Contract shall render the SAMB in any way liable to any Nominated and/or Sub-Contractor or Supplier.

63.0 RESPONSIBILITIES OF CONTRACTOR TO NOMINATED AND/OR SUB-CONTRACTORS OR SUPPLIERS

63.1 The Contractor shall be fully responsible to ensure that the Nominated Sub-Contractor or Suppliers shall conform with the terms and conditions of this Contract and shall be fully responsible for the acts, defaults or breach of any terms and/or conditions of this Contract by the Nominated Sub-Contractors or Suppliers on their part in the same way as for his own or those of other sub-contractors or suppliers engaged by himself. The SAMB shall in no circumstances be liable to the Contractor for the default of any Nominated Sub-Contractors or Suppliers.

63.2 In the event of repudiation or abandonment of his sub-contract by any Nominated Sub-contractor or Supplier, or the determination by the Contractor of the employment of the Nominated Sub-contractor or Supplier for any reason whatsoever under the sub-contract, the Contractor shall do one of the following :

- (a) with the consent of the S.O. (such consent not to be unreasonably withheld) employ another competent sub-contractor or supplier to complete the sub-contract; or
- (b) undertake to complete the sub-contract himself.

PROVIDED THAT in any of such events the Contractor is entitled to be paid the same sum for the work or services to be executed, or materials or goods to be supplied, as would have been payable had the original Nominated Sub-contractor or Supplier completed the sub-contract without any default on its part.

64.0 INTELLECTUAL PROPERTY RIGHTS

64.1 The Copyright and all other proprietary rights whatsoever in the Works and other material developed and supplied by the Contractor pursuant to or under this Contract shall vest in and shall be the sole property of the SAMB and the Contractor shall not during or at any time after completion of the Works or after the expiry or termination of this Contract, in any way, question or dispute the ownership of the SAMB. The proprietary rights in the Works shall vest in the SAMB free and clear of all liens, claims and encumbrances on the Works.

64.2 The Contractor shall be responsible for any claim that the equipment supplied infringes a patent, copyright or registered design.

64.3 If the SAMB's use or possession of the equipment is likely to constitute an infringement, then the Contractor shall promptly and at its own expenses procure for the SAMB the right to continue using and possessing the equipment; or modify or replace the equipment so as to

avoid the infringement (in which event the Contractor shall compensate the SAMB for the amount of any direct loss or damage sustained or incurred by the SAMB during such modification or replacement).

- 64.4 The Contractor shall indemnify the SAMB against any claim for the infringement of any letters patent, copyright or registered designs by the use of any equipment or of information supplied under this Contract and against all costs and damages which the SAMB may incur in any action for which such infringements or for which the SAMB may become liable in any such action.

65.0 **ANTIQUITIES**

- 65.1 All fossils, coins, antiquities and other objects of interest or value which may be found on the Site or in excavating the same during the progress of the Works shall become absolute property of the SAMB and upon discovery of such an object the Contractor shall forthwith-

- (a) not to disturb the object and shall cease work if and in so far as the continuance of the work would endanger the object or prevent or impede its excavation or its removal;
- (b) take all steps which may be necessary to preserve the object in the exact position and condition in which it was found; and
- (c) inform the S.O. of the discovery and precise location of the object.

- 65.2 The S.O. shall issue instructions in regard to what is to be done concerning the object reported by the Contractor under clause 65.1 and (without prejudice to the generality of his power) such instructions may require the Contractor to permit the examination, excavation or removal of the object by a third party. Any such third party shall for the purpose of clause 15 be deemed to be a person for whom the SAMB is responsible and not to be a sub-contractor.

- 65.3 If compliance with the provisions of clause 65.1 or with an instruction issued under clause 65.2 has involved the Contractor in direct loss and/or expense for which he would not be reimbursed by a payment made under any other provisions of this Contract then the amount of such loss and/or expense shall be added to the Contract Sum.

66.0 **ARBITRATION**

- 66.1 If any dispute or difference shall arise between the SAMB and the Contractor out of or in connection with the contract, then parties shall refer such matter, dispute or difference to the officer named in Appendix for a decision.

- 66.2 The officer named in Appendix's decision shall be in writing and shall subject to clause 66.4 hereof, be binding on the Parties until the completion of the Works and shall forthwith be given effect to by the Contractor who shall proceed with the Works with all due diligence whether or not notice of dissatisfaction is given by him.

- 66.3 If the Parties —

- (a) fails to receive a decision from the officer named in the Appendix within forty-five (45) days after being requested to do so; or
- (b) is dissatisfied with any decision of the officer named in the Appendix,

then such dispute or difference shall be referred to arbitration within forty-five (45) days to an arbitrator to be agreed between the Parties and failing such agreement, to be appointed by the Director of the Regional Centre for arbitration in Kuala Lumpur on the application of either Party hereto. Such arbitration shall be heard at the Kuala Lumpur Regional Centre for Arbitration and shall be conducted in accordance with the rules for arbitration of the Kuala Lumpur Regional Centre for Arbitration using the facilities and the system available at the Centre.

- 66.4 Such reference, except on any difference or dispute under clause 51 hereof shall not be commenced until after the completion or alleged completion of the Works or determination or alleged determination of the Contractor's employment under this Contract, or abandonment of the Works, unless with the written consent of the SAMB and the Contractor.
- 66.5 In the event that such consent has been obtained in accordance with clause 66.4, the reference of any matter, dispute or difference to arbitration pursuant to this clause and/or the continuance of any arbitration proceedings consequent thereto shall in no way operate as a waiver of the obligations of the parties to perform their respective obligations under this Contract.
- 66.6 In any arbitration proceedings conducted pursuant to clause 66.3, the Parties may make any counter claim in relation to any dispute or difference arising from the Contract.
- 66.7 Upon every or any such reference the costs of such incidental to the reference and award shall be in the discretion of the Arbitrator who may determine the amount thereof, or direct the amount to be taxed as between solicitor and client or as between party and party, and shall direct by whom and to whom and in what manner the same be borne, award and paid.
- 66.8 The award of the Arbitrator shall be final and binding on the Parties.
- 66.9 In the event of the death of the arbitrator or his unwillingness or inability to act, then the SAMB and the Contractor upon agreement shall appoint another person to act as the arbitrator, and in the event the SAMB and the Contractor fail to agree on the appointment of an arbitrator, an arbitrator shall be appointed by the Director of the Regional Centre for Arbitration in Kuala Lumpur.
- 66.10 In this clause, "reference" shall be deemed to be reference to arbitration within the meaning of the Arbitration Act 2005.
- 66.11 The arbitration shall be nment by the Arbitration Act 2005 and the laws of Malaysia.

67.0 NOTICE, ETC.

- 67.1 Any notice, approval, consent, request or other communication required or permitted to be given or made under this Contract shall be in writing in Bahasa Malaysia or English language.
- 67.2 Such notice shall be effected by:
- (i) hand delivery or courier and an acknowledgement of receipt obtained;
 - (ii) leaving the notice at the registered office or site office of the Contractor in which case it shall be deemed to have been duly delivered; or
 - (iii) registered post in which case it shall be deemed to have been received seven (7) days after the date of posti

- 67.3 The address of the SAMB and the Contractor is as shown below or such other address as either party may have notified the sender:

to the SAMB:

Address:

to the Contractor:

Address:

- 67.4 It shall be the duty of the parties to notify the other if there is a change of address or entity by giving a written notice within fourteen (14) days. In the event of the Contractor failing to notify the S.O. of such an address or any change in his address, such written notices and instructions shall be deemed to have been served upon the Contractor if they are sent in the manner stated above to the address stated in this Contract or to the Contractor's site office.

68.0 **SAFETY AT THE SITE**

68.1 **Compliance with Safety Requirements**

The Contractor shall comply with all relevant laws, regulations, rules, by-laws, directive or order by the relevant authorities on the requirements of safety-at-work ("Safety Requirements") and shall ensure his personnel, workmen and sub-contractors at all times during the execution of Works comply with such Safety Requirements.

68.2 **Submission of Safety Programme**

- (a) Within 14 days from the receipt of the Letter of Acceptance by the SAMB, the Contractor shall submit to the S.O a safety programme to ensure that all construction activities required for the execution of the Works are carried out in a safe manner and in compliance with Safety Requirements.
- (b) The safety programme shall be subject to the approval of the S.O. The submission to and approval by the S.O of the safety programme shall not relieve the Contractor of any of his obligations and liabilities pertaining to the safety requirement under the Contract.

68.3 **Safety Officer and Personnel**

- a) The Contractor shall appoint a suitably qualified and experienced person as safety officer who shall be responsible for compliance with Safety Requirements and all safety matters relating to the Works. The Contractor shall, from time to time, provide such other personnel and resources as may be required to ensure the effective implementation of the safety programme on Site.
- b) The Contractor shall conduct training programmes for all workmen including workmen of his sub-contractors for compliance with the Safety Requirements.

68.4 **Safety Measures**

- (a) The Contractor shall ensure that the constructional plant together with all other tools and equipment and other items used in the execution of the Works are in a safe, sound and good condition and capable of performing the functions for which they are intended.

- (b) The Contractor is responsible for instituting a safe method of construction on Site for all the workers and shall ensure that his sub-contractors whether nominated or otherwise institute the same method of construction for their workers.
- (c) Without limiting his liability under the Contract, the Contractor shall provide all workmen on Site with the necessary safety equipment including but not limited to safety boots, safety helmets and protective clothing.

69.0 ADVANCE PAYMENT (NOT APPLICABLE)

69.1 The Contractor shall be entitled to an advance payment on the Contract amounting to 25% of the value of the Contract Sum less Provisional Sums (hereinafter referred to as the "Builder's Work") but subject to a maximum of RM10 million on compliance with the following conditions:

- (a) on return of the Letter of Acceptance duly signed by the Contractor together with the Performance Bond (if any), insurance policies, confirmation from SOCSO Authorities and the receipts for all premium paid;
- (b) production of a Banker's/Insurance/Finance Company Guarantee in the approved format equal in value to the advance proposed to be paid;
- (c) Submission of the Banker's Guarantee / Insurance Guarantee / Financial Company Guarantee not later than 3 months from the date of possession of Site.

69.2 The advance payment shall be recouped when the cumulative total value of the Builder's Work executed and certified (including the amount certified for materials on site) reaches (25%) twenty five percent of the total contract value of Builder's Work, by way of a fixed percentage deduction from the total certified value of the Builder's Work executed (including the amount certified for materials on site) during the period covered by an Interim Payment Certificate, in all the subsequent Interim Payment Certificates on the basis that the advance payment made shall be fully recovered in the Interim Payment Certificate in which the cumulative total certified value of the Builder's Work executed (including the amount certified for materials on site) reaches seventy-five (75) percent of the total contract value of the Builder's work*. The deduction shall be calculated as follows:

$$\frac{\$ D}{B} = 200 \text{ A percent of } \$ P$$

Where \$ D = cumulative deduction to be made in Interim Payment Certificate,

\$ A = total amount of advance paid,

\$ B = total contract value of Builder's Work

\$ P = gross certified value of Builder's Work executed (including the amount certified for materials on site) or agreed cumulative scheduled payments in excess of 25% of \$ B

69.3 The liability under the advance guarantee shall be terminated upon realization by the SAMB of the full sum of advance paid. However, if the full sum of the advance paid cannot be realized before the completion date of the contract or any authorised extension thereof or the case of the contract been determined before the date of the determination, then the balance of the advance repayable to the SAMB shall be recovered from the advance guarantee

70.0 AMENDMENT

No modification, amendment or waiver of any of the provisions of this Contract shall be effective unless made by mutual consent and made in writing by way of supplementary agreement specifically referring to this Contract and duly signed by the Parties. The provisions in respect of such amendment, variation or modification thereof shall be supplemental to and be read as integral part of this Contract which shall remain in full force and effect as between both Parties.

71.0 CONFIDENTIALITY

71.1 This Contract and all such drawings, records, data, books, reports and all matters pertaining hereto shall be considered as confidential matter and shall not be disclosed to any third party without prior written mutual agreement, save and except where-

- (a) disclosure of such information is necessary for the purposes of raising finance to undertake the obligations of the Contractor under this Contract;
- (b) disclosure of such information is made to the Contractor's consultants, auditors or advisers;
- (c) disclosure of such information is required by law or by any SAMB agency or for the performance of any obligations under this Contract; or
- (d) the information has entered public domain.

71.2 Where information has been disclosed to third parties pursuant to clause 69.1, the Contractor undertakes to ensure that such third parties shall not disclose the information to any other third party.

71.3 The restrictions contained in this clause shall survive the termination of this Contract and shall continue to bind both Parties without limit in point of time.

72.0 STAMP DUTY

The Contractor shall solely bear the stamp duties, legal costs and fees in the preparation and execution of this Contract and anything incidental thereto.

73.0 SEVERABILITY

If any provision of this Contract is held to be illegal or is invalid under any laws or regulations effective and applicable during the term of this Contract such provision shall be fully severable and this Contract shall be construed as if such illegal or invalid provision had never comprised as part of this Contract and the remaining provisions of this Contract shall remain in full force and effect and shall not be affected by the illegal or invalid provision or by its severance from this Contract.

74.0 WAIVER

Failure by any Party to enforce at any time, any provision of this Contract shall not be construed as a waiver of its right to enforce the breach of such provision or any other provision in this Contract or as a waiver of any continuing, succeeding or subsequent breach of any provision or other provision of this Contract.

75.0 LAWS APPLICABLE

This Contract shall be governed by and construed in accordance with the laws of Malaysia and the Parties irrevocably submit to the exclusive jurisdiction of the courts of Malaysia.

76.0 SUCCESSORS BOUND

This Contract shall be binding upon the respective successors-in-title of the Parties.

77.0 EPIDEMICS AND MEDICAL ATTENDANCE

77.1 The Contractor shall maintain the Site in clean and sanitary condition and shall comply with all requirements of the SAMB Health and Sanitary Authorities. In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the SAMB or the local medical or health authorities for the purpose of dealing with and overcoming the same.

77.2 The Contractor shall ensure that sufficient first aid kits are made available at suitable locations on the Site.

78.0 TECHNOLOGY TRANSFER

If the Contractor appoints foreign professionals, the Contractor shall endeavour to ensure that the employees of the SAMB are trained or exposed to the expertise of such foreign professionals pursuant to a programme for technology transfer.

79.0 GENERAL DUTIES AND PERFORMANCE STANDARD

79.1 Industry Practice

The Contractor shall provide and perform the Works in a proper manner in accordance with good management and best industry practice and to the best advantage of the SAMB and shall comply with all law, statutes and any guidelines or direction issued by the SAMB to the contractor from time to time.

79.2 Competency

The Contractor shall provide and perform its obligations under this Contract and take all appropriate measures expected of a competent company using due care and skills of a professional person providing similar service or works to ensure that the Works comply with the terms and conditions of this Contract.

79.3 SAMB's Interest

The Contractor shall at all times perform the Works in such manner as will always safeguard and protect the SAMB's interest and take all necessary and protect the SAMB' interest take all necessary and proper steps to prevent abuse and in accordance with the provisions of this Contract.

80.0 RESTRICTION AND PROCEDURE ON USE OF IMPORTED MATERIALS AND GOODS

- 80.1 The Contractor shall use local goods/materials as listed in the 'Senarai Bahan/Barangan Buatan Tempatan' issued by IKRAM QA Services Sdn. Bhd. and/or issued by SIRIM QA Services Sdn. Bhd., whichever is relevant. If the Contractor fails to comply with this requirement, the SAMB may reject the goods/materials which are found to be not in compliance with this requirement.
- 80.2 For local goods/materials not listed as aforesaid, such goods/materials may be allowed if prior testing and certification from IKRAM QA Services Sdn. Bhd. or SIRIM QA Services Sdn. Bhd., whichever is relevant, has been obtained. Where such testing cannot be carried out by IKRAM QA Services Sdn. Bhd. or SIRIM QA Services Sdn. Bhd. the Contractor may, with the S.O.'s prior approval, have the testing to be done by another agency.
- 80.3 Under no circumstances shall the Contractor be permitted to incorporate or supply imported materials, plant, equipment, vehicles or other goods into the Works or forming part of the scope of the Works except those approved by the SAMB, prior to the execution of the Contract. The Contractor shall at his own cost entirely substitute any materials, plant, equipment, vehicles or other goods proposed to be imported but not approved by the SAMB, with suitable local materials, plant, equipment, vehicles or other goods, including making any necessary subsequential changes or adjustment to the design of the Works to accommodate such substitution, all to the concurrence of the S.O..
- 80.4 The Contractor shall ensure that the procurement of approved imported materials, plant, equipment, vehicles or other goods are obtained directly from the country of origin based on F.O.B. or other similar basis. The transportation and insurance of such imported materials, plant, equipment, vehicles or other goods from the country of origin to the Site shall be arranged by the Contractor through the SAMB's Multi Modal Transport Operators (hereinafter referred to as MTO) as listed in Appendix. The Contractor shall allow in his tender all costs and time required in complying with the requirements of this Clause including the cost required for the services provided by the MTO.
- 80.5 The Contractor shall submit documentary evidence of compliance with this clause to the S.O. within one (1) month from the date of each delivery to the Site of such materials, plant, equipment, vehicles or other goods.

81.0 TIME

Time whenever mentioned shall be of the essence of this Agreement.

82.0 TERMINATION ON CORRUPTION, UNLAWFUL ACTIVITIES OR ILLEGAL ACTIVITIES OR BID RIGGING

- a) Without prejudice to any other rights of the Government, if the [Company/Contractor], its personnel, servants or employees is or are convicted by a court of law for corruption or unlawful or illegal activities or was found to be liable for an infringement of a prohibition from performing an act of bid rigging under the Competition Act 2010 [Act 712], in relation to this Agreement or any other agreement that the [Company/Contractor] may have with the Government, the Government shall be entitled to terminate this Agreement at any time, by giving immediate written notice to that effect to the [Company/Contractor].
- b) Upon such termination, the Government shall be entitled to all losses, costs, damages and expenses including any incidental costs and expenses incurred by the Government arising from such termination.
- c) For the avoidance of doubt, the Parties hereby agree that the [Company/Contractor] shall not be entitled to any form of losses including loss of profit, damages, claims or whatsoever upon termination of this Agreement.

IN WITNESS WHEREOF the Parties hereto have executed this Agreement on the day and year first above written.

SIGNED for and on behalf of)
)
SYARIKAT AIR MELAKA BERHAD)

In the presence of:)
)

SIGNED for and on behalf of)
Contractor) Director
) Name :
) NRIC No. :

The Common Seal of Contractor)
)
)
(Company No.))

Was hereunto affixed)
In the presence of:) Name :
 NRIC No. :

APPENDIX TO THE CONDITIONS OF CONTRACT

Clause

4.1(a)

Officer(s) empowered to approve variations according to the limits as set out in Treasury's Instructions No. 202 as amended.

Financial Limits	Officer
- All Variation Order (Additional)	Tender Board (SAMB)
- Proposed (Additional) Re-surveying Works	Tender Board (SAMB)

4.1(b)

Officer(s) empowered to take action on behalf of the SAMB in respect of:

Clauses 51, 52, 53, 58 and 66

13

Performance Bond

Amount of Guarantee RM.....

Guarantor Bank/Insurance Company/
Finance Company

Guarantee No.

15

Minimum insurance cover for any one accident or series of accidents arising out of one event RM.....

Policy No.....

Period of insurance.....

15.1 (b)

Amount of excess RM.....

APPENDIX TO THE CONDITIONS OF CONTRACT – (Cont'd)

Clause

17.	SOCSSO Scheme registration number	
18.	Amount to be added to full value of Contract Sum as the insured sum	RM.....
	Total Amount Insured	RM.....
	Policy of insurance.....	
18 (b)	Amount of excess.....	RM.....
21.2	Date of Tender.....	
28.1	Value of work to be executed including materials and goods to be delivered before First Interim Certificate will be issued.....	RM.....
28.2	Value of work to be executed including Materials and goods to be delivered before each Subsequent Interim Certificate will be issued.....	RM.....
28.6	Period for honouring payment certificate (if none stated, then within thirty (30) days of the issue of the Certificate.....	RM.....
34.4	Work covered by P.C. Sums for which the Contractor Will be permitted to tender.....	RM.....
38.2	'Date for Possession' of the Site.....	RM.....
39.1	'Date for Completion' for whole of the Works.....	
40.2	Liquidated and Ascertained Damages at the rate of.....	RM.....

APPENDIX TO THE CONDITIONS OF CONTRACT – (Cont'd)

Clause

41.1

Sectional Completion:

Identification of Sections or parts	Date for Possession [Clause 38.3]	Date for Completion	Liquidated & Ascertained Damages

48.1 (a) Defects Liability Period (if none stated,
Then the period is twelve (12) months.....

5.3,5.4,15.3, 17.3(b), 18.2 Percentage of on-cost charges..... 5%

48.2, 56.2(d) Percentage of on-cost charges..... 10%

BAHAGIAN C
BORANG TENDER (SAMB 100B)

**BORANG INI HENDAKLAH DIGUNAKAN JIKA KUANTITI
MENJADI SEBAHAGIAN DARIPADA KONTRAK
(THIS FORM IS TO BE USED WHERE QUANTITIES FORM
PART OF THE CONTRACT)**

Kontrak No :tahun 20.....bagi
Contract No: of for

Kerja-Kerja tersebut dibawah ini yang dibuat padaharibulan
The under – mentioned Work entered into on the day of

..... 20 oleh pihak - pihak yang bertandatangan di
by the undersigned parties,

bawah ini, adalah berhubung dengan Borang Tender ini yang menjadi sebahagian
refers to this Form of Tender which is and shall be read

daripada Kontrak tersebut dan yang hendaklah dibaca dan diertikan sedemikian.
And construed as part of the said Contract.

.....
Tandatangan Kontraktor
Singnature of Contractor

.....
Tandatangan Pegawai
Singnature of Officer

(Nama Penuh.....)
Name in Full

(Nama Penuh.....)
Name in Full

Atas Sifat.....
In the capacity of

Jawatan.....
Designation

yang diberi kuasa dengan sempurnanya
untuk menandatangani untuk dan bagi pihak
duly authorized to sign for and on behalf of

Untuk dan bagi pihak
Syarikat Air Melaka Berhad
For and on behalf of
Syarikat Air Melaka Berhad

.....
Meteri atau cap Kontraktor
Contractor's seal or chop

Saksi.....
Witness

Saksi.....
Witness

(Nama Penuh.....)
Name in Full

(Nama Penuh.....)
Name in Full

Pekerjaan.....
Occupation

Jawatan.....
Designation

Alamat.....
Address

SYARIKAT AIR MELAKA AIR BERHAD

BORANG TENDER (FORM OF TENDER)

TENDER BAGI.....
TENDER FOR

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM
PENGEPAHAN SERTA LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA,
LOJI AIR BERTAM.**

mengikut Pelan-Pelan No -
in accordance with Drawing Nos.

.....
dan lain-lain pelan terperinci yang diberi untuk menerangkannya.
and any other detail drawing supplied in amplification thereof.

Salinan - salinan Dokumen Meja Tender yang merangkumi Perjanjian Kontrak,
Copies of the Tender Table Documents comprising the Contract Agreement,

Pelan-pelan tersebut di atas, Spesifikasi dan Dokumen Tender yang lain boleh dilihat di tempat yang
the above - mentioned Drawings, Specification and other Tender Documents may be seen at the place

dinyatakan dalam Notis Tender dalam masa waktu pejabat pada mana - mana hari bekerja
specified in the Tender Notice during office hours on any working day

hingga tarikh akhir yang ditetapkan bagi penyerahan tender.
until the final date fixed for the submission of tenders.

Kepada :
To :

Ketua Pegawai Esekutif
Syarikat Air Melaka Berhad
Lot 897, Wisma Air
Jalan Hang Tuah
75300 Melaka
(Pihak menerima tender)

TUAN,

Di bawah dan tertakluk kepada Syarat - Syarat Membuat Tender yang dilampirkan bersama ini,
Under and subject to the Conditions of Tendering annexed hereto,

yang bertandatangan di bawah ini adalah dengan ini membuat tender dan menawar untuk
the undersigned does hereby tender and offer to

melaksana dan menjalankan Kerja - kerja dan peruntukan - peruntukan dan membekalkan semua
execute and perform the Works and provisions and supply all

buruh, bahan dan loji dan segala benda dari tiap - tiap jenis yang masing - masing disebut,
labour, materials and plants and everything of every kind respectively named,

ditunjuk, diperihal dan dimasukdkan dalam atau yang hendaklah ditakrifkan daripada Dokumen
shown, described and alluded to in, or to be inferred from the Tender

Tender, yang hendaklah dilaksanakan dan dibekalkan oleh pihak Kontraktor, bagi Kerja - kerja yang
Documents, to be executed and supplied on the part of Contractor, for the Works

diperihalkan di atas, dengan menepati Dokumen Tender tersebut bagi jumlah wang pukal yang
above described, in conformity with the Tender Documents for the lump sum

disebutkan di bawah ini.
named herein below.

2. Yang bertandatangan di bawah ini bersetuju menjadi terikat oleh dan tunduk kepada Syarat-
The undersigned agrees to be bound by and submit to the Conditions
 Syarat Kontrak dan Spesifikasi tersebut dan bersetuju bahawa jika Tender yang disetujuiterima,
of Contract and Specification and agrees that if this Tender is accepted, the
 harga dan kadar harga dalam Jadual Kadar Harga dan Ringkasan Tender hendaklah diteliti dan
price and rates in the Schedule of Rate and Summary of Tender shall be scrutinized and
 diselaraskan oleh Pegawai Penguasa tentang kemunasabahannya tetapi jumlah wang pukal yang
adjusted by the Superintending Officer as to their reasonableness but the lump sum tendered
 ditenderkan di bawah ini hendaklah tetap tak berubah. Jadual Kadar harga, selepas diselaraskan
herein below shall remain unaltered. The Schedule of Rates, after adjustment
 sebagaimana yang diperuntukkan dalam Syarat-syarat Kontrak, hendaklah menjadi asas bagi
as by the Condition of Contract provided, shall form the basic of valuation of
 menilaikan apa-apa perubahan yang mungkin diarahkan oleh Pegawai Penguasa dari semasa ke
any variation which may from time to time be ordered by the superintending
 ke semasa, tetapi jika sesuatu perubahan itu melibatkan peninggalan atau pertambahan menyeluruh
Officer, but where a variation involves the omission or addition of the whole of
 sesuatu butiran kerja yang terhadapnya harga ada diberikan dalam Ringkasan Tender, maka
any item of work against which the price is given in the Summary of Tender, then
 harga dalam Ringkasan Tender itu hendaklah menjadi asas bagi menilaikan perubahan itu.
such price in the Summary of Tender shall form the basic of valuation of such variation.
 Yang bertandatangan di bawah ini selanjutnya bersetuju bahawa Ringkasan Tender itu hendaklah
The undersigned agrees that the Summary of Tender shall also form the
 juga menjadi asas bagi menilaikan Perakuan Bayaran Sementara.
basic for the valuation of Interim Payment Certificate.

3. Dan selanjutnya, yang bertandatangan di bawah ini bersetuju menyiapkan Kerja-Kerja itu
And further, the undersigned agrees to complete the Works
 dalam masahari/minggu/bulan* dari tarikh pemilikan tapakbina atau dalam apa-apa tempoh lanjutan
within days/weeks/months from the date of possession of site or within such extended time
 yang diperuntukkan dalam Syarat-Syarat Kontrak.
as by the Conditions of Contract provided.

4. Jumlah amaun Tender ini ialah jumlah wang pukal sebanyak Ringgit.....
The total amount of this Tender is the lump sum of Ringgit

.....
 iaitu, RM
 i.e.

5. Yang bertandatangan di bawah ini berharap dibenarkan membuat tender, dalam sedikit masa
The undersigned desires to be permitted to tender, in due course,
 lagi bagi kerja berikut yang mana dijalankan secara langsung oleh yang bertandatangan di bawah ini
for the following work which the undersigned in the ordinary course of
 dalam perjalanan biasa perniagaannya dan yang baginya Wang Kos Prima atau Wang
business directly carries out and for which Prime Cost or Provisional Sums
 Peruntukan sementara telah dimasukkan dalam amaun Tender ini:
have been included in the amount of this Tender:

6. Bahawasanya adalah diketahui bahawa Syarikat Air Melaka Berhad sentiasa berhak menyejuterima atau menolak
Whereas it is understood that the Syarikat Air Melaka Berhad reserves the right to accept or
 Tender ini, sama ada ianya lebih rendah atau lebih tinggi daripada tender-tender yang lain, atau
to refuse this Tender, whether it be lower or higher than any other tender, or
 sama amaunnya. Yang bertandatangan di bawah ini bersetuju yang Tender ini akan berterusan
of the same amount. The undersigned agrees that this Tender shall remain
 sah dan tidak akan ditarik balik dalam tempoh sembilan puluh (90) hari dari tarikh akhir yang
valid and shall not be withdrawn within ninety (90) days from the final date

ditetapkan bagi penyerahan tender dan bersetuju bahawa tiada apa-apa had, syarat atau janji *fixed for the submission of tenders and agrees that no other term, condition or stipulation* lain akan dikenakan oleh kami selepas tarikh tersebut. *shall be imposed by us after the said date.*

7. Yang bertandatangan di bawah ini bersetuju, jika Tender ini disetujuterima, men deposit, *The undersigned agrees, in the event of acceptance of this Tender, to deposit,* dengan seberapa segera yang praktik selepas penerimaan Surat Setujuterima Tender tetapi sebelum *as soon as is practicable after the receipt of the Letter of Acceptance of Tender but before the* bermulanya Kerja-Kerja, perkara-perkara berikut: *commencement of the Works, the followings:*

- (a) Bon Perlaksanaan;
Performance Bond;
- (b) Polisi Insurans Tanggungan Awam (iaitu insurans terhadap bencana kepada orang-orang *Insurance Policy for Public Liability (i.e. insurance against injury to persons* dan kerosakan kepada harta) atau Nota Liputan beserta dengan resit bagi premium yang *and damage to property or the Cover Notes together with receipts of premium paid in* telah dibayar;
respect thereof;
- (c) Nombor pendaftaran di bawah Skim Keselamatan Sosial Pekerja (PERKESO); dan / atau *Registration number under Employee's Social Security (SOCSO) Scheme; and / or*
- (d) Polisi Insurans Pampasan Pekerja atau Nota Liputan beserta dengan resit bagi premium *Insurance Policy for Workmen's Compensation or the Cover Notes together with receipts* yang telah dibayar.
of premium paid in respect thereof.

Yang bertandatangan di bawah ini selanjutnya bersetuju men deposit Polisi Insurans bagi Kerja- *The undersigned further agrees to deposit the Insurance Policy for the Works* Kerja itu dan melaksanakan Perjanjian Kontrak yang formal dalam masa yang munasabah *And to execute the formal Contract Agreement within a reasonable time* selepasnya itu. *thereafter.*

8. Yang bertandatangan di bawah ini dengan ini juga bersetuju bahawa Borang Tender ini *The undersigned hereby also agrees that this Form of Tender together* beserta Surat Setujuterima Tender ini (jika ada) hendaklah menjadi kontrak yang mengikat *with the Letter of Acceptance of Tender (if any) shall constitute a binding contract* antara kita walaupun Perjanjian Kontrak yang formal belum dilaksanakan. *between us notwithstanding that a formal Contract Agreement has not been executed.*

9. Yang bertandatangan di bawah ini mengesahkan, selepas menyemak sendiri, bahawa dokumen- *The undersigned confirms, after a personal scrutiny, that the documents* dokumen dan pelan-pelan yang digunakan oleh yang bertandatangan di bawah ini untuk menyusun *and drawings used by the undersigned in compiling* Tender ini adalah salinan-salinan yang sebenarnya bagi dokumen-dokumen dan pelan-pelan yang *this Tender are true copies of the documents and drawings included* dimasukkan dalam Dokumen Meja Tender. *in the Tender Table Documents.*

10. Yang bertandatangan di bawah ini bersetuju bahawa:

The undersigned agrees that:

- (a) jika Tender ini ditarik balik sebelum tamatnya Tempoh Sah Tender atau apa-apa tempoh *if this Tender is withdrawn before the expiry of the Tender Validity Period or any* lanjutan, atau *extended period thereof, or*
- (b) jika yang bertandatangan di bawah ini mengenakan apa-apa had, syarat atau perjanjian *if the undersigned imposes any additional terms, condition or stipulation* tambahan kepada Tender ini selepas tarikh akhir yang ditetapkan bagi penyerahan tender, *to the Tender after the final date fixed for the submission of tenders,*

atau
or

- (c) jika sekiranya Tender telah disetujuterima, yang bertandatangan di bawah ini enggan dan *in the event that the Tender having been accepted, the undersigned refuses and* tidak melaksanakan Perjanjian Kontrak yang formal atau mendeposit Bon Pelaksanaan *fails to execute the formal Contract Agreement or to deposit the Performance Bond* sebagaimana dikehendaki oleh Syarat-Syarat Kontrak atau tidak meneruskan Kerja - Kerja *as required by the Conditions of Contract or fails to proceed with the Works;*

maka, dalam mana-mana hal itu, tanpa menyentuh apa-apa hak lain yang ada padanya,
then, in any of such event, without prejudice to any other rights it may posses, the

Syarikat Air Melaka Berhad sentiasa berhak mengambil tindakan tatatertib terhadap yang bertandatangan
Syarikat Air Melaka Berhad reserves the rights to take disciplinary action against the undersigned or to

di bawah ini atau membatalkan pendaftaran yang bertandatangan di bawah sebagai kontraktor
cancel the registration of the undersigned as a Syarikat Air Melaka Berhad contractor, as the

Syarikat Air Melaka Berhad sebagaimana difikirkan perlu oleh Syarikat Air Melaka Berhad.
Syarikat Air Melaka Berhad deems fit.

Bertarikh pada.....haribulan....., 20.....
Dated this day of 20

.....
Tandatangan Petender
Signature of Tenderer

Nama Penuh.....
Name in Full

Atas sifat.....
In the capacity of

Yang diberi kuasa dengan sepenuhnya
Untuk menandatangani Tender ini untuk
Dan bagi pihak:
duly authorised to sign this Tender for and on behalf of:

.....
Menteri atau cap Petender
Tenderer's seal or chop

Saksi.....
Witness

Nama Penuh.....
Name in full

Pekerjaan.....
Occupation

Alamat.....
Address

BAHAGIAN D

SURAT AKUAN PEMBIDA BERJAYA

SURAT AKUAN PEMBIDA BERJAYA

**Tajuk Tender : KERJA-KERJA PENGANTIAN PANEL STARTER DAN MENAIKTARAF
SISTEM PENGEPAMAN SERTA LAIN-LAIN KERJA YANG BERKAITAN
DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

No. Tawaran : SAMB/12/2026

Saya, (Nama Wakil Syarikat) No. Kad Pengenalan..... yang mewakili (Nama Syarikat) Nombor Pendaftaran (MOF/PKK/CIDB/ROS/ROC/ROB) dengan ini mengisytiharkan bahawa saya atau mana-mana individu yang mewakili syarikat ini:

- i. tidak akan menawarkan, menjanjikan atau memberikan apa-apa suapan kepada mana-mana individu dalam SAMB atau mana-mana individu lain, sebagai ganjaran untuk dipilih dalam tender / sebutharga* seperti di atas;
- ii. tidak akan melakukan atau terlibat dengan tipuan bidaan dalam mana-mana perolehan SAMB.

Bersama ini dilampirkan Surat Perwakilan Kuasa bagi saya mewakili syarikat seperti tercatat di atas untuk membuat pengisytiharan ini.

2. Sekiranya saya, atau mana-mana individu yang mewakili syarikat ini didapati terlibat dalam membuat pakatan harga dengan syarikat lain atau apa-apa pakatan sepanjang proses perolehan atau menawarkan, menjanjikan atau memberikan apa-apa suapan kepada mana-mana individu lain sebagai dorongan / ganjaran untuk dipilih dalam perolehan seperti di atas, maka saya sebagai wakil syarikat bersetuju tindakan-tindakan berikut boleh diambil:

- a) Penarikan balik tawaran kontrak bagi tender / sebutharga* di atas; atau
- b) Penamatan kontrak bagi tender / sebutharga* di atas; dan
- c) Lain-lain tindakan undang-undang/tatatertib mengikut undang-undang/peraturan perolehan yang berkuatkuasa.

3. Saya sesungguhnya faham bahawa--

- 3.1 saya atau mana-mana individu yang berkaitan dengan syarikat boleh didakwa bagi kesalahan* di bawah Akta Suruhanjaya Pencegahan Rasuah Malaysia 2009 [Akta 694] dan Kanun Keseksaan [Akta 574] serta boleh dihukum di bawah undang-undang masing-masing atas kegagalan saya atau mana-mana orang yang mewakili syarikat ini untuk mematuhi perkara (i) dalam surat akuan ini; atau
- 3.2 tindakan boleh dikenakan ke atas syarikat di bawah Akta Persaingan 2010 [Akta 712] atas kegagalan saya atau mana-mana orang yang mewakili syarikat ini untuk mematuhi perkara (ii). Sekiranya syarikat didapati melanggar

peruntukan seksyen 4(2)(d) Akta 712, syarikat boleh didenda tidak melebihi sepuluh peratus (10%) daripada pusing ganti (*turn over*) seluruh dunia sepanjang tempoh suatu pelanggaran itu berlaku.

4. Sekiranya terdapat mana-mana individu cuba memperolehi atau meminta apa-apa suapan daripada saya atau mana-mana orang yang berkaitan dengan syarikat ini sebagai dorongan untuk dipilih dalam perolehan seperti di atas, maka saya berjanji akan dengan segera melaporkan perbuatan tersebut kepada pejabat Suruhanjaya Pencegahan Rasuah Malaysia (SPRM) atau balai polis yang berhampiran. Saya sedar bahawa kegagalan saya berbuat demikian adalah merupakan suatu kesalahan di bawah seksyen 25 (1) Akta Suruhanjaya Pencegahan Rasuah Malaysia 2009 [Akta 694] dan boleh dihukum di bawah seksyen 25 (2) akta yang sama, apabila disabitkan boleh didenda tidak melebihi RM100,000 atau penjara selama tempoh tidak melebihi sepuluh tahun atau kedua-duanya.
5. Saya sesungguhnya faham bahawa syarikat melakukan kesalahan jika seseorang yang bersekutu dengan syarikat*** memberikan, menjanjikan atau menawarkan suapan untuk memperolehi atau mengekalkan perniagaan atau faedah dalam menjalankan perniagaan di bawah seksyen 17A Akta Suruhanjaya Pencegahan Rasuah Malaysia 2009 [Akta 694], apabila disabitkan kesalahan boleh didenda tidak kurang daripada sepuluh kali ganda jumlah atau nilai suapan, atau RM1 juta, atau dipenjarakan selama tempoh tidak melebihi dua puluh tahun atau kedua-duanya.

Yang benar,

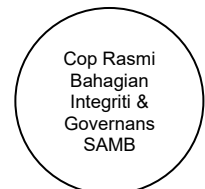
Tandatangan :

Nama :

No.KP :

Tarikh :

Cap Syarikat :



Catatan:

- i) *potong yang mana tidak berkenaan
- ii) **termasuk kesalahan ditetapkan dalam Jadual (Perenggan 3 (a), takrif "kesalahan ditetapkan") Akta Suruhanjaya Pencegahan Rasuah Malaysia 2009 [Akta 694] yang boleh dihukum di bawah Kanun Keseksaan [Akta 574].
- iii) ***seseorang yang bersekutu dengan syarikat merujuk kepada seksyen 17A (6) Akta Suruhanjaya Pencegahan Rasuah Malaysia 2009 [Akta 694], iaitu seseorang itu bersekutu dengan organisasi komersial jika dia seorang pengarah, pekongsi atau pekerja organisasi komersial itu atau dia ialah orang yang melaksanakan perkhidmatan untuk atau bagi pihak organisasi komersial itu.
- iv) Surat Akuan ini hendaklah dikemukakan bersama surat perwakilan kuasa.

BAHAGIAN E

SURAT SETUJUTERIMA TENDER (SAMB 100D)

SURAT SETUJUTERIMA TENDER (KERJA)

NO KONTRAK : _____

Untuk kerja-kerja yang disebutkan di bawah ini dibuat pada haribulan _____ 2026 oleh pihak-pihak yang bertandatangan di bawah ini, merujuk kepada Surat Setujuterima Tender yang menjadi sebahagian daripada kontrak tersebut dan yang hendaklah dibaca dan diertikan sedemikian

Tandatangan Kontraktor

Nama Penuh: _____
(Huruf Besar)

Atas Sifat:

Yang diberi kuasa dengan sepenuhnya untuk menandatangani untuk dan bagi pihak

Tandatangan Pegawai

Nama Penuh: _____
(Huruf Besar)

Atas Sifat:

Untuk dan bagi pihak Syarikat Air Melaka Berhad

Meterai atau Cap Kontraktor

Saksi: _____

Nama Penuh: _____

Pekerjaan: _____

Alamat: _____

Saksi: _____

Nama Penuh: _____

Pekerjaan: _____

Alamat: _____

SYARIKAT AIR MELAKA BERHAD

SURAT SETUJUTERIMA TENDER (KERJA)

Rujukan: **SAMB.** _____

Ketua Pegawai Eksekutif,
Syarikat Air Melaka Berhad,
Wisma Air, Tingkat Bawah, 1,5-9
Jalan Hang Tuah,
75300 Melaka.

Tarikh: _____

Tuan/Puan,

Tender untuk:

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF
SISTEM PENGEPAMAN SERTA LAIN-LAIN KERJA YANG BERKAITAN DI
RUMAH PAM KUBOTA, LOJI AIR BERTAM**

Dengan ini adalah diberitahu bahawa Tender tuan/puan bagi kerja-kerja tersebut di atas
berharga Ringgit Malaysia: _____

_____ (**RM** _____) telah disetujuterima, tertakluk
kepada had, syarat dan perjanjian dalam Dokumen Tender yang menjadi asas Tender ini
dan juga kepada surat ini.

2. Tuan/Puan dikehendaki melaksanakan Perjanjian Kontrak yang formal dalam
sedikit masa lagi. Bagaimanapun, sehinggalah Perjanjian Kontrak yang formal itu
dilaksanakan, Tender tuan/puan berserta Surat Setujuterima Tender ini akan menjadi
kontrak yang sah mengikat di antara tuan/puan dan Syarikat.

3. Tuan/Puan akan diberitahu bila Dokumen Kontrak siap sedia untuk ditandatangani.
Bagaimanapun sebelum Dokumen Kontrak ditandatangani, harga dan kadar harga dalam
Jadual Kadar Harga dan/atau Ringkasan Tender atau Senarai Kuantiti, mengikut mana yang
berkenaan, hendaklah teliti dan diselaraskan oleh Pegawai Penguasa tentang
kemunasabahannya tetapi Jumlah Harga Kontrak seperti tersebut di atas hendaklah tetap
tidak berubah.

4. Tuan/Puan dikehendaki menyatakan pilihan kaedah Bon Perlaksanaan sama ada:-
- i) Jaminan Bank / Bank Islam /Bank Pembangunan & Infrastruktur Malaysia Berhad (BPIMB) atau
 - ii) Jaminan Syarikat Kewangan atau
 - iii) Jaminan Insurans/ Takaful
5. Tarikh milik tapak bina, seperti yang disebutkan dalam Syarat-syarat Kontrak, ialah pada _____. Walaubagaimanapun, tuan/puan hanya boleh memulakan kerja setelah tuan/puan menyerahkan kepada Pegawai Penguasa perkara-perkara berikut:-
- a) Polisi Insurans Tanggungan Awam (iaitu insurans terhadap bencana kepada orang-orang dan kerosakan kepada harta) nilai insurans tidak kurang daripada **RM** _____
 - b) Polisi Insurans Kerja iaitu **RM** _____
 - c) Nombor-nombor pendaftaran di bawah Skim Keselamatan Sosial Pekerja (PERKESO) atau
 - d) Polisi Insuran Pampasan Pekerja berjumlah tidak kurang daripada **RM** _____
- Walaupun bagaimanapun, bagi memulakan kerja-kerja dan bukan maksud lain, tuan boleh menyerahkan Nota-nota Liputan bagi maksud polisi-polisi insurans tersebut dan resit-resit premium yang telah dibayar itu kepada Pegawai Penguasa. Tuan dikehendaki menyerahkan Polisi-polisi Insurans yang berkenaan (jika belum diserahkan) menurut perenggan 5 di atas, dalam tempoh tidak lewat daripada tiga puluh (30) hari selepas Nota-nota Liputan diserahkan.
6. Tuan/Puan perlu memilih salah satu daripada kaedah di para 4 (i), 4 (ii) atau 4 (iii), tuan/puan hendaklah menyerahkan Bon Pelaksanaan bernilai **RM** _____
7. Kegagalan tuan memulakan kerja dalam tempoh dua (2) minggu dari tarikh milik tapak akan mengakibatkan pengambilan kerja tuan/puan di bawah kontrak ditamatkan sejajar dengan Fasal 51(b) (i) Syarat-syarat Kontrak.
8. Berdasarkan kepada Tempoh Siap Kerja yang ditenderkan selama **Dua Puluh Empat (24) hari/minggu/bulan***. Tarikh Siap untuk seluruh kerja-kerja di bawah kontrak ini ialah _____

9. Surat ini dihantar kepada tuan/puan dalam tiga (3) salinan. Sila kembalikan salinan asal dan satu (1) salinan, yang telah ditandatangani oleh tuan/puan dan disaksikan dengan sempurna, di ruang yang berkenaan, ke pejabat ini dalam tempoh tujuh (7) hari dari tarikh surat ini.

Sekian, terima kasih.

**“MELAKAKU MAJU JAYA, RAKYAT BAHAGIA, MENGGAMIT DUNIA”
“BIJAK LAKSANA TUAH, BERANI LAKSANA JEBAT”
“MALAYSIA MADANI”
“INTERGRITI, PROFESIONALISME, IBADAH”**

(DATUK MOHD SALEH BIN JUSMAN)
Ketua Pegawai Eksekutif
Syarikat Air Melaka Berhad

Dengan ini yang bertandatangan di bawah ini mengaku penerimaan surat di atas.

Tandatangan Kontraktor

Nama Penuh:

Atas Sifat:

Diberikan dengan sempurna untuk
menandatangani untuk dan bagi pihak:

Meteri atau Cop Kontraktor

Tarikh: _____

Tandatangan Saksi

Nama Penuh:

Nama Jawatan:

Alamat:

Tarikh: _____

BAHAGIAN F

BORANG JAMINAN BANK DAN LAIN-LAIN

BORANG JAMINAN BANK/JAMINAN SYARIKAT KEWANGAN/
JAMINAN INSURANS UNTUK BON PERLAKSANAAN
(KONTRAK KERJA)

Sebagai balasan kepada Kontrak No. _____ yang dibuat antara Syarikat Air Melaka Berhad, kemudian daripada ini dirujuk sebagai “Syarikat” dan _____, kemudian daripada ini dirujuk sebagai “Kontraktor”, bagi

_____ (nama projek), kemudian daripada ini dirujuk sebagai “Kontrak”, kami yang bertandatangan di bawah, atas permohonan Kontraktor, mengaku janji yang tak boleh batal untuk memberi Jaminan kepada Syarikat ke atas pelaksanaan yang sepatutnya Kontrak tersebut mengikut cara sebagaimana yang terdapat kemudian daripada ini.

MAKA Penjamin dengan ini bersetuju dengan Syarikat seperti berikut:

1. Apabila sahaja Syarikat membuat tuntutan bertulis, maka Penjamin hendaklah dengan serta merta membayar kepada Syarikat nilai yang ditentukan di dalam tuntutan tersebut tanpa mengira sama ada terdapat apa-apa bantahan atau tentangan daripada Kontraktor atau Penjamin atau mana-mana pihak Ketiga yang lain dan tanpa bukti atau bersyarat. Dengan syarat sentiasanya bahawa jumlah tuntutan yang dibuat tidak melebihi sebanyak Ringgit _____ (nyatakan nilai Jaminan dalam perkataan) (RM _____) dan bahawa tanggungan Penjamin untuk membayar kepada Syarikat di bawah Perjanjian ini tidak melebihi nilai tersebut di atas.
2. Syarikat berhak untuk membuat apa-apa tuntutan separa jika dikehendakinya dan jumlah kesemua tuntutan separa itu hendaklah tidak melebihi nilai Ringgit _____ (nyatakan nilai Jaminan dalam perkataan) (RM _____) dan liabiliti Penjamin untuk membayar kepada Syarikat jumlah yang disebutkan terdahulu hendaklah dikurangkan dengan perkadaran yang bersamaan dengan apa-apa bayaran separa yang telah dibuat oeh Penjamin.
3. Penjamin tidak boleh dilepaskan dari Jaminan ini oleh sebarang perkiraan yang dibuat antara Kontraktor dan Syarikat sama ada dengan atau tanpa persetujuan Penjamin atau oleh sebarang perubahan tentang kewajipan yang diaku janji oleh Kontraktor atau oleh sebarang penangguhan sama ada dari segi pelaksanaan, masa, pembayaran atau sebaliknya.

4. Jaminan ini adalah Jaminan yang berterusan dan tak boleh batal dan berkuat kuasa sehingga _____ (kemudian daripada ini disebut “Tarikh Mati Asal”) (*Initial Expiry Date*) iaitu dua belas (12) bulan selepas tarikh tamat tempoh kecacatan atau dalam keadaan di mana Kontrak dibatalkan, satu (1) tahun selepas tarikh Kontrak dibatalkan. Penjamin hendaklah melanjutkan Tarikh Mati Asal (*Initial Expiry Date*) jaminan ini untuk tempoh tambahan selama tidak melebihi satu (1) tahun daripada Tarikh Mati Asal (*Initial Expiry Date*) (kemudian daripada ini disebut “Tarikh Mati Lanjutan”) (*Entended Expiry Date*) apabila diminta oleh Syarikat dan Jaminan ini adalah dengan ini dilanjutkan. Jumlah agregat maksimum yang Syarikat berhak di bawah Perjanjian ini mestilah sentiasa dipastikan tidak melebihi jumlah Ringgit _____ (nyatakan nilai Jaminan dalam perkataan) (RM _____).

5. Apa-apa tanggungjawab dan tanggungan Penjamin di bawah Perjanjian ini hendaklah luput apabila Perjanjian ini tamat pada Tarikh Mati Asal (*Initial Expiry Date*) atau Tarikh Mati Lanjutan (*Entended Expiry Date*) melainkan jika sebelumnya Syarikat telah meminta secara bertulis kepada Penjamin untuk membayar sejumlah wang tertentu yang masih belum dijelaskan mengikut peruntukan kontrak.

6. SEMUA TUNTUTAN BERKAITAN DENGAN JAMINAN INI, JIKA ADA, MESTILAH DITERIMA OLEH PIHAK BANK/SYARIKAT KEWANGAN /SYARIKAT INSURANS DALAM TEMPOH SAH LAKU JAMINAN INI ATAUPUN DALAM MASA EMPAT (4) MINGGU DARI TAMATNYA TARIKH JAMINAN INI, MENGIKUT MANA YANG LEBIH KEMUDIAN.

PADA MENYAKSIKAN HAL DI ATAS pihak-pihak kepada Perjanjian ini telah menurunkan tandatangan dan meteri mereka pada hari dan tahun yang mula-mula tertulis di atas.

Ditandatangani untuk	)	_____
Dan bagi pihak Penjamin	)	Nama: _____
di hadapan	)	Jawatan: _____
	)	Cop Bank/Syarikat
	)	Kewangan/Syarikat Insurans:

Saksi

Nama: _____
Jawatan: _____
Cop Bank/Syarikat Kewangan/Syarikat Insurans.

BAHAGIAN G
SPESIFIKASI TEKNIKAL

1.0 Treated Water Pumps Details

The treated water pumps shall be of variable speed, horizontal split casing type, single stage, double entry volute centrifugal pumps with direct coupled motors.

The speed of the rotation shall not exceed 1000 rpm for treated water pumps. The pump vibration and noises shall be tested to the requirement of JIS B 8301 and the running shall be smooth and free from excessive vibration and extraordinary noises in any part. The total amplitude of vibrations during testing at the manufacturer's works shall not exceed the maximum values in accordance with ISO 10816-7 Zone B.

The design of the pumps and shafting and the associated pipework and valve, and the selection of materials for construction shall be carefully carried out to obviate the effects of the electrolytic action and corrosion action with due consideration to the water analyses shown in Specification.

The pumps shall be manufactured, assembled and tested in the country of origin of the pumps. The pump supplier shall submit the certificate of country of origin which must be endorsed by the Chamber of Commerce of respective country. Manufacturer letterhead for the certificate of origin is not accepted. The country of origin of the pumps shall be North America or Japan. The pumps test shall be used shop motor at pump's country of origin.

A proven track record with minimum 3 projects reference of more than 400kW installation with Syarikat Air Melaka Berhad in the same industry shall be submitted with the Tender to demonstrate the pump manufacturer's past experience in the design and manufacture of comparable size or bigger and type required under the Contract.

a) Pump casing

Pump casings shall be manufactured from cast iron in accordance with JIS FC250.

The pump shall be of the double volute type and designed to produce a smooth flow with gradual changes in velocity. The casing shall be split axially with the suction and discharge nozzles and casing feet cast in the one casing half. The interior of the pumps shall be easily inspected by removing the other half of the casing without disturbing the pipe connections or pump alignment.

The flanges between the valves shall be machined on face and edge, and sealed by a pre-cut gasket of approved materials. The two halves of the casing shall be accurately located by the use of straight dowel pins to eliminate mismatch between the two halves which would impair both hydraulic and mechanical performance.

Each pump casing shall be fitted with a drainage cock at its lowest point and air vent with cock at its highest point.

b) Mechanical seals

Mechanical seals similar to Pillar manufacture shall be provided to protect the pump against leakage at the pump stuffing box. The mechanical seal shall be designed with the provisions for cooling the seal face and flushing off solid materials from settling at the seals. The mechanical seal shall be cartridge type and shall be suitable for internal mounting.

c) Pump shafts

Pump shafts shall be manufactured from stainless steel Type JIS SUS 420 and shall be adequately sized and designed to minimize deflection. Deflector plates of non-rusty material shall be fix to each pump shaft to prevent water seepage to the bearing housings.

d) Bearings

Pump bearings shall be designed for a minimum service life of 40,000 hours. Bearings shall be of heavy duty of single or double row anti-friction type, designed to withstand any thrust and axial loads.

The bearing at the coupling end shall be of the double thrust ball type while the bearing at the opposite end shall be of the self-aligning ball type to withstand any thrust imposed on the bearing.

Bearings shall be grease lubricated type with readily accessible grease supply and grease relief fittings.

Removable bearing housings shall be bolted and dowelled to bearing brackets that are cast integrally with the pump half casing.

Bearing shall be of water-resistant type (with grease of water-resistant grade), complete with the necessary bearing covers and compound rubber seals around the pump shafts to eliminate water seepage to the bearings.

e) Wearing rings

The casing shall be fitted with removable stainless-steel wearing rings grade JIS SUS 316 designed to provide a smooth flow of water into the impeller eye. The casing ring shall be provided with a positive means of preventing rotation. The impeller shall also be fitted with removable stainless-steel wearing rings grade JIS SUS 316 and held in place by set screws.

f) Impellers

Impellers shall be of double suction enclosed type, manufactured from stainless steel grade JIS SCS14. Impellers shall be of smooth finish without any coating and shall be statically and dynamically balanced on the spindle after assembly and keyed to the shaft.

g) Motor coupling

Each pump shall be connected with pin and bush coupling with set screw.

h) Pressure gauges

Both suction and delivery branches of the pump shall be fitted with pressure gauges. Precautions shall be taken to ensure that the gauges cannot be overstressed.

i) Pump and Motor Protection

Pump and motor shall be installed and protect by Bearing RTD PT100 for both DE and NDE. Pump and Motor shall be installed with Vibration sensor to protect the pump-set.

j) Test on pumps

Each pump shall be witness tested individually by the S.O.'s representatives in accordance with BS EN ISO 9906 Grade 1E comprising performance test, NPSH test and mechanical running test. Site conditions shall be simulated as near as possible particularly the minimum site NPSH condition and the suction and delivery pipework configuration including immediate suction taper and bends for each pump-set.

Any limitation imposed by the manufacturer's test facility, such as restricted water depths for full operation pump testing or inadequate power supply shall be clearly declared in the tender with proposals/recommendations on how such limitations may be overcome at no extra cost to the Contract.

Each pump shall be tested with the shop motor. Its shall be tested particularly at the guaranteed performance duty point and over its full working range from its closed valve condition to the run-off condition (at least 10% in excess of the guaranteed flowrate at minimum head). At least 6 different points shall be obtained. Head/flowrate, NPSH/flowrate, pump efficiency/flowrate and motor output/flowrate curve shall be plotted to demonstrate that the pump-set will be capable of meeting the full range of operating conditions at Site. The speed of the pump shall be stated when recording various reading of head/flowrate pertaining to the pump.

Acceptance criterion for the pump guaranteed duty points shall be in accordance with BS EN ISO 9906 Grade 1E requirement.

The computed weighted average overall efficiency from the test shall not be below the value guaranteed in the Schedule of Guarantees. The weighted average electrical energy consumed per 1000 cubic metres of water pumped shall also be calculated and this figure shall not be more than the value guaranteed in the Schedule of Guarantees.

The S.O shall reject any pump-set that does not meet the values guaranteed.

The pump sets shall also be shown to be free from cavitation and vibration over the whole working range. The NPSH available at the shop test shall not be more than the minimum NPSH available at site. The curve of NPSH required against flowrate shall be plotted and verified at the works tests. The NPSH required by the pump shall be equal to or less than the guaranteed values in the Schedule of Guarantee.

The pump-set vibration levels at rated capacity shall not exceed the requirement of ISO 10816-7.

The pump bearings shall also be tested at rated capacity for temperature rise and the temperature rise measurements shall not exceed the criteria of pump manufacturer. Noise level measurement shall also be carried out.

Pump casings shall be subjected to a hydrostatic pressure test at 1.5 times the maximum working pressure obtained with the delivery valve closed.

The pump manufacturer shall submit the test records/certificates for all tests carried out by the pump manufacturer with hydrostatic pressure test, material test, dimension check and balancing test.

2.0 Motors

2.1 Electric motor – general

All electric motors shall comply with the requirements of IEC 60034.

Variable speed AC motors shall be of the induction type suitable for operation on a 3-phase supply and shall be capable of operating continuously, at rated torque, at any voltage between +5 and –10 percent of the nominal value, and nominal frequency +2 and –2 Hertz.

The maximum motor speed shall be 1000 rpm. All AC motors rated 0.18kW and above shall be of the three-phase type.

Non-submersible motors above 75kW shall be squirrel cage inverter duty motor suitable for starting with Variable Frequency Drives.

Motors shall be designed for S1 duty to IEC60034.

All motors shall be capable of running continuously at a brake horsepower not less than 10% in excess of that absorbed by the driven equipment under any operating conditions. The reserve power requirements shall be added to the calculated power prior to any other adjustments e.g. high ambient temperature at Site. In addition, all motors shall be suitable for 3 cold / 2 hot starts per hour for 6,600volt rated motor.

The motors shall be commercially silent in operation and the overall A-weighted sound pressure level shall not exceed 85 dBA at 1 meter with no load condition. In addition, the motors shall run free from vibration and their rotors shall be perfectly balanced both statically and dynamically in an approved manner. The motor bearing vibration severity shall not exceed 20 microns peak to peak with no load condition when measured in the direction of the three mutually perpendicular axis at the bearings and mounting points of the motor. Motors shall be balanced with the full key in the keyways.

A proven track record with minimum 3 Syarikat Air Melaka Berhad projects reference in the same industry shall be submitted with the Tender to demonstrate the motor manufacturer's past experience in the design and manufacture of comparable size or bigger and type required under the Contract.

2.2 Enclosed methods of cooling

Enclosures for motors operating on 6,600volt shall afford a mechanical protection not less than IP 55 for those installed indoor and IP 55 for those installed outdoor and in chemical or chlorine plant areas. The method of cooling for these motors shall be to classification IC411 method of cooling.

The maximum temperature of the motor casing, normally accessible by hand shall not be more than 80°C at an ambient temperature of 40°C.

Thermoplastic fans and fan covers shall not be employed. All fans and fan covers shall be made of metal and treated with a corrosion resistant coating.

Motors fitted with unidirectional fans shall be provided with an arrow permanently indicating the direction of rotation. Indication by means of a painted or adhesive arrow is not acceptable.

Totally enclosed motors shall be provided with suitable means of breathing and drainage to prevent accumulation of condensation.

All motors shall be given corrosion resistant paint finishes and shall have corrosion resistant parts.

All motor frames and bearing end shields shall be constructed of ferrous metals. Motor frames made of aluminum alloy will not be accepted. Frame sizes shall be in accordance with IEC 72 and IEC 72A.

2.3 Windings

Windings and its rotor bar shall be made of copper or aluminum and impregnated to render them non-hygroscopic and oil resistant and shall be braced to prevent any movement of the coils during all conditions of service. 6,600volt motor windings shall be insulated using mica-based materials.

All windings shall be adequately supported, braced and blocked to provide sufficient rigidity and to limit end-winding vibration and subsequent cracking of the winding insulation at the slot exists. Winding shall be capable of withstanding the dynamic forces which result from system fault conditions.

Motors will be operating in an ambient temperature in the order of 40°C. Motor insulation shall be to Class F, with the temperature rise (by resistance method) limited to 80K, for both stator and rotor windings.

2.4 Bearings

Bearings shall be plain or anti-friction type as appropriate.

Bearings shall have a C3 internal radial clearance. The bearing temperature rise, measured near the outer ring of the bearing shall never exceed 55K and the temperature of the outer ring of the bearing shall never exceed 90°C.

Bearings shall be designed to exclude the ingress of dust and water and sealed to prevent leakage of lubricant along the shaft.

To prevent damage by any shaft current produced for high voltage motors, their bearings and their lubricating and cooling systems shall be insulated from the bedplate or frame. Bearing insulation shall be provided on NDE bearings. The method of insulation shall be permanent and non-deteriorating during assembly and disassembly of the bearings. The insulation shall not be short circuited by the application of electrically conducting paints or fixing clips, etc.

Each motor above 2.2kW shall have readily accessible lubricating valves which shall enable the correct amount of lubrication (without over lubricating) when regreasing whilst the motor is running. The interval between lubrication and the requisite quantity and type of grease shall be given on the lubrication plate which shall be mounted adjacent to the motor name plate.

Excess and old grease shall be forced out through an opening in the outer bearing case. Any surplus grease shall be ejected out of the motor casing to a separate container. Spent grease retaining systems will not be accepted. The lubrication nipple shall be of the conical type. Where necessary for accessibility, nipples shall be remotely mounted at a point as close to lubrication point as practical and connected thereto by means of double-walled copper brazed steel tubing. For large motors forced lubrication may be provided as an alternative and details of the system shall be submitted with the Tender. A flow indicator and/or pressure switch shall be provided on forced lubricating systems to indicate failure of the system.

6,600volt motors shall have anti-friction bearings with suitable provisions for permanently monitoring the condition of each bearing. PT100 RTD sensors in the bearing housings shall be directly wired to the bearing relay in the 6,600volt motor local control panel. The connecting cable shall be sized to ensure that the loop resistance shall not exceed 20ohms.

For this purpose, an adaptor with locknut made of stainless steel shall be located within

the load zone of each bearing so that the signal part within the bearing and adaptor shall be straight and uninterrupted. Adaptor shall be fixed with PVC cap for protection against motor paint finished which may otherwise cause signal damping.

2.5 Winding temperature detectors

Temperature detectors shall be embedded in the stator windings of all motors above 7.5kW Two 100-ohm (at 0°C) platinum resistance type temperature detectors per phase shall be provided in the 6,600volt motor stator windings at the hottest point. RTD elements shall be suitable for connection of 3-wires instrument signal cables and shall be wired to a separate terminal box.

All six RTD elements shall be connected to the motor protection relay in the respective 6,600volt motor feeder panel to indicate the winding temperatures. The alarm contact shall operate at 120°C and the trip contact at 130°C.

For 6,600-volt motors rated above 75kW, six RTD PT100 (2 numbers per phase) shall be provided.

Individual RTD PR100 shall be approximately 1000 ohms at the tripping temperature appropriate to the insulation class of the motor. The control unit of the RTD PT100 complete with alarm and trip contacts shall be mounted in the respective starter panel.

Motors with RTD PT100 shall be fitted with a non-corrodible metal RTD PT100 data plate which shall include the following information: -

- i. RTD PT100 manufacturer
- ii. Type number
- iii. Tripping temperature (°C)
- iv. Resistance of each RTD PT100 at the tripping temperature
- v. Number of RTD PT100 embedded per winding

In addition to the above a stainless-steel warning plate with the inscription "WARNING! RTD PT100 INSTALLED. DO NOT MEGGER" shall be installed in a prominent position on the RTD PT100 terminal box.

2.6 Anti-condensation heaters

Anti-condensation space heaters shall be provided on all motors above 2.2kW unless otherwise specified. The heaters shall be suitable for use on a single-phase A.C supply and wired to a separate terminal box. A prominent warning label with the inscription 'WARNING – CIRCUIT MAY BE LIVE' shall be installed. Each heater shall be provided with a switch in the respective starter and automatic control to disconnect it when its motor is in operation. Each heater shall be sufficiently rated to maintain the temperature above dew point when the motor is stationary.

Additional heater shall also be provided in the slip ring compartment for all wound rotor motors.

2.7 Terminal and cable termination boxes

Separate individual cable terminal boxes with IP 55 degree of protection shall be provided for stator, rotor, heater, RTD and thermistor cables. For 6,600volt motors, the stator, rotor, heater and auxiliary cable terminals boxes shall be all located on the plane of the motor facing the respective local control panel.

Terminal boxes shall be positioned to accept adequately supported cables which rise vertically from below, or alternatively angled in such a way as to accept cables from a cable tray without stress being introduced to the cable. The required positions of the cable

boxes shall be approved before manufacture.

Terminal and cable termination boxes shall provide sufficient space for segregating the cores and maintaining the minimum insulation clearances and creepage distances applicable. Cable terminal and sealing/spreading boxes shall be suitable for a maximum fault level of 50kA for 0.25 sec. on 6,600-volt system.

Terminal boxes shall be fitted with pressure relief diaphragm, so that products of an electrical breakdown within the terminal box will be relieved outside the terminal box. Pressure relief shall be located between the terminal box and the motor, so arranged that potential for injury to personnel is minimised.

Cable sealing box to accommodate PVCSWAPVC cable and mounted indoors shall be air insulated, totally enclosed and sealed to exclude moisture and dust.

Clamping devices shall be provided inside the terminal box to separate and support the cable conductors and to withstand the short circuit current. Material used for clamping devices shall be non-hygroscopic.

Approved indoor/outdoor type glands shall be provided in accordance with the relevant section of the Specification for termination of PVCSWAPVC cables.

Stud terminals mounted on terminal boards shall be provided in terminal boxes. Loose or flying leads shall not be used. An earthing terminal shall also be provided in each terminal box.

High voltage motor stator terminal boxes shall be fault rated plug-in connector type. The connector shall be suitable for connecting single core XLPE armored cables as shown on the Drawings. The connector shall be completely metal-enclosed to provide IP 66 degree of protection and be intrinsically safe at the connection. The connector shall provide a short-time current rating of 40kA for one (1) second.

The connector shall permit simple and quick connection and disconnection of motors.

2.8 Name plate and instruction plates

Stainless steel nameplates and instructions shall be provided.

Information provided on the rating plate shall be in accordance with IEC 34-1. The values provided should as far as possible be actually measured and shall be based on the specified operating conditions. The rating plates shall include, but not limited to the data stated below:

- Manufacturer's name, serial number and year of manufacture
- Purchase order number
- Degree of protection of motor and terminal boxes.
- Winding connection
- Rated output and voltage
- Rated current
- Rated frequency
- Number of phases
- Rated speed
- Class of insulation
- Temperature rise
- Power factor at full load
- Efficiency at full load
- Locked rotor current at rated voltage and frequency
- Locked rotor torque at rated voltage and frequency

-
- Rotor current and rotor voltage for wound motor

For motors with rated output exceeding 2.2kW, the following additional information shall be provided on a separate rating plate.

- Bearing size
- Bearing type
- Clearance
- Type of lubricant
- Lubrication intervals, where applicable
- Minimum and maximum allowable quantity of lubricant for the DE and NDE bearings

2.9 Power factor of motors

All motors larger than 2.2kW shall be provided with power factor correction capacitors in respective starter boards to correct the power factor of the motors to not less than 0.95 lagging under all operating load conditions.

2.10 Tests on motors

All treated water pump motors shall undergo the following tests (a to j) as defined in accordance of IEC 60034.

The allowable tolerance for pump motors shall be in accordance with those given in Table 19 of Section 11 of IEC 60034-1 except for efficiency, in which case, the negative tolerance allowed shall not be applicable and temperature rise which must be limited to 80°C for both stator and rotor windings.

For all other motors with rating 37kW and above, the first motor of each rating shall undergo the full basic tests (a to j) and duplicate tests (a to e) shall be carried out on the remaining motors in accordance with IEC 60034-1 and the tolerance limits shall comply to IEC 60034-1.

The tests are as follows: -

- (a) Resistance of windings (cold)
 - Stator windings, rotor windings, space heater and RTD
- (b) No load losses and current
- (c) Locked rotor
 - Current and torque
- (d) Open circuit secondary induced voltage at standstill (wound rotor)
- (e) High voltage
 - Tests shall be carried out on stator winding rotor winding and heaters
- (f) Temperature rise
 - Actual loading method shall be carried out for all low voltage pump motors in excess of 100kW in rating. In this case the motor shall be loaded to the rated condition.
 - Where facilities are limited at the manufacturer's works to carry out direct loading method, primary superposed equivalent loading method shall be employed as recommended in IEEE Standard 112 for all high voltage motors.
 - Bearing temperature rise shall not exceed 50°C at end of full load heat run

- Windings temperature rise shall not exceed 80°C at end of full load heat run

(g) Test to establish efficiency and power factor

- Efficiency of motors shall be determined using either the input-output method or the loss segregation method.
- Where facilities are not available at the manufacturer's works to carry out direct loading method, equivalent circuit method as recommended in IEEE Standard 112 can be employed as an alternative to determine the efficiency of motors. This method shall be employed only for high voltage motors and not for low voltage motors.
- For calculation, of stray losses, the values as given in Table 2 of IEEE Standard 112 shall not be applicable and for this purpose a value not greater than 0.5% at rated load shall be assumed only for motors which require equivalent circuit method for determination of efficiency.
- For other than rated load it shall be assumed that the stray load loss shall be proportional to the square of the motor current derived from the corresponding equation given in IEEE 112 and only with stray load loss equal to the assumed value of 0.5% at rated load.

(h) Momentary overload

- Momentary overload test of 160% rated torque shall be carried out for 15 seconds during the heat run test of motors.
- For all other motors which are subject to primary superposed equivalent loading method in establishing temperature rise, momentary overload test of 120% of rated current applied for 15 seconds will be acceptable.

(i) Vibration

- The test shall be carried out with half key on the shaft.
- The vibration severity shall not exceed 20 microns peak-to-peak at no load

(j) In addition, the following test shall be carried out for all motors: -

- Verification of phase sequence, terminal markings and direction of rotation
- Shaft voltage measurement (for high voltage motors)
- Noise level measurements
 - Noise level shall not exceed 85 dB(A) at no load
- Air gap measurement
- Insulation resistance measurements
 - Measurements shall be carried out on stator and rotor windings (before heat run and after heat run and dielectric test), heaters, RTDs and bearing insulation

3.0 Inverter

3.1 Inverter – general

The VFD converter section shall be of 30 pulse to eliminate the need for harmonic filters. Harmonic filters are highly undesirable due to resonance problems, and they require tuning whenever other inductive/capacitive loads are placed on the system or when the power system changes.

The VFD output shall produce minimum electrically-induced pulsating torque to the output shaft of less than 1% up to 95% of the speed and less than 3.5% at the top of the speed eliminating the possibility of exciting a resonance caused by VFD induced torque pulsations.

VFD shall inherently protect motor from high-voltage dv/dt stress, independent of cable length to motor. VFD shall not require non-standard insulation systems or insulation ratings above the VFD output voltage rating. The VFD system shall be designed to produce no standing waves or over-voltage conditions based on cable lengths below 2300 m . This is a typical length which will cover most application requirements and allow for potential future cable run changes from VFD to motor. If the VFD requires an output filter to meet this requirement, it shall be an integral part of the VFD system.

Drives shall be multi-cell H-bridge topology with 750V cells for the nominal output voltage of 3.3kV and above to offer best reliability and footprint

The VFD system shall be capable of maintaining continuous operation but with reduced output power up to 34% voltage sag on the input power line. The VFD shall maintain this performance as long as the event exists. If the input medium voltage sags falls below 66% of its rated value, the VFD shall engage power loss ride through control logic.

Spec for Advanced Cell ByPass System:

If bypass feature is included as an option in power electronics section, the failure of any power switching device (SCR, diode, IGBT, IGCT, etc.) in both the converter and inverter sections and/or switching device control circuitry shall not result in a process trip and shall allow for continued operation of the VFD system. In the event of a device or device control failure, the VFD shall annunciate and identify the specific location of the failed device and allow for continued operation until such time as repairs can be scheduled.

The bypass feature shall meet the following requirements:

- a. Only mechanical bypass is acceptable to improve bypass reliability. Electronic bypass is not acceptable. In case of a fault, power cell bypass shall be completed within 250 milliseconds or less to avoid process Interruption.

BAHAGIAN H

**RINGKASAN TAWARAN DAN SENARAI
KUANTITI**

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

RINGKASAN TAWARAN

NO	KETERANGAN	BAHAGIAN	MUKA SURAT	JUMLAH (RM)
1	MEMATUHI SYARAT-SYARAT UMUM	A	1	
2	KERJA-KERJA PENGGANTIAN PANEL STARTER	B	2	
3	KERJA-KERJA PENGGANTIAN PANEL STARTER	B	3	
4	KERJA-KERJA PENGGANTIAN PANEL STARTER	B	4	
5	KERJA-KERJA PENGGANTIAN PANEL STARTER	B	5	
6	KERJA-KERJA SCADA	C	6	
7	KERJA-KERJA KEJURUTERAAN AWAM	D	7	
8	KERJA-KERJA SISTEM PENGEPAMAN	E	8	
9	KERJA-KERJA SISTEM PENGEPAMAN	E	9	
10	PERUNTUKKAN SEMENTARA	F	10	50,000.00
JUMLAH KESELURUHAN DIBAWA KE BORANG TENDER (Harga Termasuk SST)				RM

Nota :-

i) Tempoh Siap Kerja = _____ minggu

.....
(Tandatangan Petender)

Nama :

Jawatan :

No I/C :

Tarikh :

Materi atau cop Pemborong :

.....
(Tandatangan Saksi)

Nama :

Jawatan :

No I/C :

Tarikh :

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN
SERTA LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
A1	Provides Performance Bond	Lump	Sum		
A2	Provides Public Liability Insurance	Lump	Sum		
A3	Provide Insurance of the works	Lump	Sum		
A4	Provide Workmen's Compensation / SOCSO	Lump	Sum		
A5	The Tenderer will, on going or completion of the work, remove as quickly as possible and convey away from site at its sole cost, all plants and surplus materials except those ordered to be left on the site, together with all rubbish and debris. The site is to be restored in a neat and workman like manner to the satisfaction on the S.O.	Lump	Sum		
A6	The Tenderer will submit the associated work report, complete technical documentation including pump curves, test reports, certificates and operation & maintenance manual, training for SAMB's personnel on operation and maintenance of the pump system and final inspection, acceptance and handover of completed works. Note:- i) Application and implementation of the requirement to comply with Occupational Safety and Health Act 1994 (OSHA) and the regulations and the Factories and Machinery Act 1967 and the regulations and the Act ii) Items for A1-A4 are for payment of processing fees only.	Lump	Sum		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Tawaran				

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN B - KERJA-KERJA PENGANTIAN PANEL STARTER

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
	MEDIUM VOLTAGE EQUIPMENT To supply labour, equipments and tools for dismantling and installation new Medium Voltage Drive (MVD) and all related works.				
B1	Dismantling and removal of existing local control panel and rotor resistance starters c/w cable checking, tagging and labeling and disconnection works		Lump Sum		
B2	To supply, delivery and install a new Medium Voltage Drives (MVD) as following specifications including all necessary accessories : Brand : Schneider @ Danfoss Type : ATV6100-450kW @ Danfoss Total harmonics THD(i) : IEEE519-1992 Reaction network site : Pulse (30) Input rated voltage : 2.4kV up to 13.8kV Input type : 3 phase Input frequency : 50hz +/- 5% c/w Extended warranty 1+1 (2years) include PM (2x Major PM & 4x Minor PM)	Set	2		
B3	Factory Acceptance Test (FAT) for the Medium Voltage Drives (MVD) to be conducted at the manufacturer's factory and witnessed by seven (7) representatives from Syarikat Air Melaka Berhad		Lump Sum		
B4	Termination, installation and identification of all power and control cables for VCB and MVD panels including crane c/w modification cable trench for VCB and MVD panel		Lump Sum		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN B - KERJA-KERJA PENGGANTIAN PANEL STARTER

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
B5	To supply, deliver, install, test & commissioning a complete Battery Charger System for MVD Control System including all necessary accessories as specified below : Type : Automatic float / boost battery charger Input Supply : 240/415V, 50hZ Output voltage : 110V/220V (As system requirement) Complete with automatic voltage regulator, float boost changing mode current limiting feature, protection against over-voltage, over-current & short circuit, digital display, alarm indication (ac fail, dc low, charger fault)	Set	2		
B6	To supply & install complete Earthing system including earth rods, pits, copper conductor, bonding work, testing & commissioning. Earthing system shall achieve 1ohm as per approved		Lump Sum		
B7	To supply, delivery, install, test and commission complete mechanical ventilation system for Medium Voltage Drive comprising exhaust fan & ducting system as specific below :				
	i. Exhaust Fan Type : Industrial wall / duct mounted exhaust fan Airflow : Minimum 5,500 - 6500 CFM Complete with mounted frame, anti vibration isolator, protective grille	Nos	2		
	ii. Ducting System To supply and install GI Ducting complete with bend, reducers, flexible connection & access panel for maintenance. Thickness minimum 0.8 - 1.0mm complete with hangers & support also sealant to prevent air leakage <i>Ducting system complete with local isolator switch, control wiring & interlocking with MVD operation (Fan auto run when MVD on)</i>	Nos	2		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN B - KERJA-KERJA PENGGANTIAN PANEL STARTER

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
B8	To supply Cable from VCB to MVD, delivery, install, test and commision of 6.6kV Medium Voltage Power Cable complete with all necessary accessories as specified below: Cable type : XLPE insulated, PVC sheathed, Steel Wire Armoured (SWA) Voltage rating : 6.6kV/11kV Conductor : Stranded Copper Cu Core : 3Core Size : 3C x 70mm2 Instalation method : Cable trench / Duct cable tray Complete with : Cable glad, identification tag	M	20		
B9	To supply Cable Motor, delivery, install, test and commision of 6.6kV Medium Voltage Power Cable complete with all necessary accessories as specified below: Cable type : XLPE insulated, PVC sheathed, Steel Wire Armoured (SWA) Voltage rating : 6.6kV/11kV Conductor : Stranded Copper Cu Core : 3Core Size : 3C x 70mm2 Instalation method : Cable trench / Duct cable tray Complete with : Cable glad, identification tag *including termination kit at both end, earthing & bonding of cable armored, tools, labour & T&C *Inclusive of Factory Acceptance Test (FAT) at manufacture	M	60		
B10	Engineering, drawings, documentation, testing and commissioning (T&C) to be carried out by the MVD supplier		Lump Sum		
B11	3D2N Technical Training conducted for five (5) participants, covering operation, configuration, troubleshooting and maintenance of the MVD		Lump Sum		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN B - KERJA-KERJA PENGGANTIAN PANEL STARTER

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
	PANEL 6.6HT VCB (INCOMER & FEEDER) To supply labour, equipments and tools for dismantling and installation New Vacuum Circuit Breaker (VCB) and all related works				
B12	Dismantling and removal of existing Panel VCB c/w cable checking, tagging and labeling and disconnection works		Lump Sum		
B13	To supply and install TAMCO 6.6kV, 630A. 25kA, 3 phase, 50Hz Incoming VCB Panel c/w :- - 3 Nos 6.6kV/110V Class 0.5 100VA P.T (Fixed Type) - 3 Nos 200/5A Class 5P10 15VA C.T (for protection) - 3 Nos 200/5A Class 1.0 15VA C.T (for METERING) - 1 x Schneider OC & EF Protection Relay - 1 x Schneider Power Quality Meter ION9000 - 1 x Schneider DPM - 2 x Indicating light 1 x Phase Indicator - 1 x Local/Remote S/Switch, 1 x Trip/Neutral/Close S/Switch - 1 set Control Relay & Terminal Block - 1 x Key Mechanical Interlock, 1 x Anti-condensation Heater	Lot	1		
B14	To supply and install TAMCO 6.6kV, 630A. 25kA, 3 phase, 50Hz Motor Feeder VCB Panel c/w :- - 3 Nos 200/5A Class 5P10 15VA C.T (for protection) - 3 Nos 200/5A Class 1.0 15VA C.T (for METERING) - 1 x Schneider OC & EF relay - 1 x Schneider DPM - 2 x Indicating light 1 x Phase Indicator - 1 x Local/Remote S/Switch, 1 x Trip/Neutral/Close S/Switch - 1 set Control Relay & Terminal Block - 1 x Anti-condensation Heater <i>*Inclusive of Factory Acceptance Test (FAT) at TAMCO Switchgear Malaysia & Training Power Quality at Schneider Malaysia</i>	Lot	2		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN B - KERJA-KERJA SCADA

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
	SCADA-READY FEATURES - INSTRUMENTS				
C1	Configuration and Modification of existing SCADA system for linking MVD Control System complete with including: - Motor status (Start/Stop/Trip/Running) - Voltage, Current, Power, Power Factor - Breaker and Contactor Status - Resistance Step Operation - Motor and Resistor Temperature - Pump operational status - Remote Start/Stop of pumps - Fault reset - Auto/Manual mode selection - Pump sequencing and load sharing - Actuator Signal (Open/Closed/Failed/Ready-to-Start) - Pressure signal for suction pump & delivery pump - Flowmeters signal - Runtime hours logging - Real-time alarm notifications - Fault diagnostics and trip indication - Historical fault analysis		Lump Sum		
C2	Intergration works between 6.6kV (HTSG) and 6.6kV (MVD), complete with all associated power cabling, control cabling and wiring & SCADA		Lump Sum		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				

KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAHAN SERTA LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM

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SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN E - KERJA-KERJA SISTEM PENGEPAMAN

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
	KUBOTA @ APPROVED EQUIVALENT PUMP SCOPE				
E1	Dismantling and Removal Works Dismantling, removal, handling and transportation of existing horizontal split casing pump, motor, coupling, baseplate and all associated components, including protection of existing piping, valves, civil structures and equipment during dismantling, and disposal or relocation of equipment as instructed by S.O		Lump Sum		
E2	Supply of New Pump and Motor System Supply of complete horizontal split casing pump system including pump (10 MGD @ 60 m, minimum efficiency ≥85%, tested in accordance with ISO 9906) complete with shaft sealing system of mechanical seal type, inverter duty motor (450 kW, 6.6 kV, 3-phase, 6-pole), baseplate, pin & bush coupling, bolts, nuts, gaskets, motor and pump RTD (PT100) sensors for 'temperature, vibration & winding temperature (3phase) 'monitoring, and all necessary accessories in accordance with the Technical Schedule	Set	2		
E3	Factory Acceptance Test (FAT) Allow all expenses and fees for all tests and inspection of equipment and services. The Contractor shall provide facilities, labour, transport, travelling expenses (return air fare), full board and lodging and other expenses incurred by representative of the S.O. for the witness testing at the manufacture's factory. The Contractor shall also attend for all test and inspection at their own cost. Allow five (5) personnel representatives from Syarikat Air Melaka Berhad		Lump Sum		
E4	Installation Works Installation of new pump and motor including positioning, leveling, grouting and anchoring to existing foundation, alignment using laser or dial gauge method to acceptable tolerance, connection to the existing suction and discharge piping (including all necessary modifications to suit new suction/delivery size new pump), and installation of coupling, guards, and all necessary safety accessories.	Set	2		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN E - KERJA-KERJA SISTEM PENGEPAMAN

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
E5	Testing and Commissioning Pre-commissioning checks including lubrication, rotation check, alignment verification and safety inspection, no-load test (dry run), performance testing including verification of flow rate, head, efficiency, motor current and vibration in accordance with Technical Schedule, and final adjustment, balancing and optimization to ensure operation near Best Efficiency Point (BEP)		Lump Sum		
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				

SYARIKAT AIR MELAKA BERHAD

**KERJA-KERJA PENGANTIAN PANEL STARTER DAN MENAIKTARAF SISTEM PENGEPAMAN SERTA
LAIN-LAIN KERJA YANG BERKAITAN DI RUMAH PAM KUBOTA, LOJI AIR BERTAM**

BAHAGIAN F - PERUNTUKKAN SEMENTARA

ITEM	KETERANGAN	UNIT	KUANTITI	HARGA (RM)	JUMLAH (RM)
F1	<u>Notes:</u> All provisional Sums are to be expended as directed by the S.O. or deducted wholly or in part if not required. Allow cost incurred for permanent related works or other works as directed by the S.O.				50,000.00
	Jumlah Keseluruhan Dibawa Ke Ringkasan Bahagian				50,000.00

BAHAGIAN I
JADUAL TEKNIKAL

TECHNICAL SCHEDULE

MAIN PUMPING SYSTEM

The Tenderer shall submit a full description including catalogues of items of equipment. Where separate entries of technical data are required, the Tenderer shall Photostat the schedule and dully fill in the details.

MAIN PUMPING SYSTEM: Horizontal Split Casing Pump

NO	DESCRIPTION	SPECIFIED	OFFERED
	<u>PUMP</u>		
1.	Manufacturer / Brand	Kubota or equivalent	
2.	Country of Origin	North America / Japan / manufacturer origin	
3.	Premise of Manufacture and Witness Testing	North America / Japan / manufacturer origin	
4.	Model	DV-LJ	
5.	Certificate for ISO9001 for pump manufacturing	To be provided	
6.	Certificate for SPAN	To be provided	
7.	Standard to which manufactured	JIS / ISO / GB / BS	
8.	Type	Horizontal Split Casing	
9.	Design duty point	10MGD @ 60m	
10.	Rated rotation speed	< 1,000rpm	
11.	Pump Efficiency	Minimum 80%	
12.	Performance test according ISO9906:1E	Yes	
13.	NPSH Require	4 m	
14.	Quantity of pump	2 no	

.....
Signature & Official Stamp of Tenderer

.....
Date

MAIN PUMPING SYSTEM: Horizontal Split Casing Pump

NO	DESCRIPTION	SPECIFIED	OFFERED
15.	Weight of pump (excluding base plate)	~1970 kg	
16.	Overall dimensions (Bare Pump)	MM	
17.	Number of stages	One (1)	
18.	Type of impeller	Centrifugal enclosed	
19.	Weight of impeller		
20.	Diameter of impeller		
21.	Certificate of Origin from manufacturer		
22.	Material of impeller	JIS SCS14	
23.	Method of keying impeller to shaft	Key	
24.	Material of casing	JIS FC250	
25.	Material of shaft	JIS SUS420	
26.	Minimum diameter of shaft		
27.	Type of bearings: a) DE b) NDE	Ball bearing Ball bearing	
28.	Method of lubrication of shaft bearings	Grease	
29.	Bearing temperature monitoring	RTD PT100 for DE & NDE	
30.	Min. Bearing life time	40,000 hrs	
31.	Diameter of suction inlet	>φ450 mm	
32.	Diameter of delivery outlet	>φ300 mm	

.....
Signature & Official Stamp of Tenderer.....
Date

MAIN PUMPING SYSTEM: Horizontal Split Casing Pump

NO	DESCRIPTION	SPECIFIED	OFFERED
33.	Class of flanges Suction / Discharge	PN10 / PN16	
34.	Shut off head	69 m	
35.	Run out point	3400 m ³ /h @ 32m	
36.	Hydraulic test head on casing	>1.5 TIME	
37.	Material of renewable wearing rings on casing	JIS SUS316	
38.	Material of renewable wearing rings on impeller	JIS SUS316	
39.	Type and material of deflector (water thrower)	Non-rusty material	
40.	Material of common base-plate	Mild Steel or Cast iron	
41.	Type of flexible couplings	Pin & Bush coupling	
42.	Type of mechanical seal and manufacturer	Cartridge type / Pillar	
43.	Rotational moment of inertia (Water included)	kgm ⁻²	
44.	Finishing color	Munsell Blue: 10B 6/6	
45.	Track record with SAMB		

.....
Signature & Official Stamp of Tenderer.....
Date

TECHNICAL SCHEDULE

MAIN PUMPING SYSTEM

The Tenderer shall submit a full description including catalogues of items of equipment. Where separate entries of technical data are required, the Tenderer shall Photostat the schedule and dully fill in the details.

MAIN PUMPING SYSTEM: Inverter Duty Motor

NO	DESCRIPTION	SPECIFIED	OFFERED
	<u>PUMP</u>		
1.	Manufacturer / Brand	Innomotics / ABB / approved equivalent	
2.	Country of Origin	Germany / Europe / manufacturer origin	
3.	Premies of Witness Testing	China / manufacturer origin	
4.	Type of designation	Inverter Duty Motor	
5.	Model	1NA	
6.	Type of Enclosure	IP55	
7.	Method of cooling	IC411	
8.	Power rating	450kW	
9.	No. of Pole	6 pole	
10.	Rated Voltage (Stator)	6600V	
11.	Rated Frequency	50	
12.	Phase	3	
13.	Insulation Class	Class F	
14.	Temperature Rise	Class B	

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Signature & Official Stamp of Tenderer

.....
Date

MAIN PUMPING SYSTEM: Inverter Duty Motor

NO	DESCRIPTION	SPECIFIED	OFFERED
15.	Temperature Rise for Stator	$\leq 80^{\circ}\text{C}$	
16.	DE and NDE Bearing's temperature Rise	$\leq 55^{\circ}\text{C}$	
17.	Noise Level at 1m with No load	71dBa	
18.	Vibration with No Load		
19.	Rotational Speed	$\sim 1000\text{rpm}$	
20.	Full Load Current	50.7A	
21.	No Load Current		
22.	Full Load Torque		
23.	Starting Torque in Percentage of FLT		
24.	Pull Out Torque in Percentage of FLT		
25.	Net Weight of Motor		
26.	Motor Efficiency at: 100% 75% 50%	IE 4 95.9% 96.2% 96.0%	
27.	Power Factor (Uncorrected): 100% 75% 50%	0.81 0.78 0.70	
28.	Bearing: Maker Type of Bearing Bearing Insulation Lubrication Drive End Non-Drive End		

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Signature & Official Stamp of Tenderer.....
Date

MAIN PUMPING SYSTEM: Inverter Duty Motor

NO	DESCRIPTION	SPECIFIED	OFFERED
29.	Heater Details: Power Rating Volt Frequency Phase		
30.	Winding Temperature Detector: Make Type No. Alarm/Trip Setting Cable Size Cable Type		
31.	Bearing Temperature Detector: Type No.		
32.	Track record with SAMB		

.....
Signature & Official Stamp of Tenderer

.....
Date

BAHAGIAN J

LATAR BELAKANG PETENDER

LATAR BELAKANG PETENDER

Borang A -	Surat Pengakuan Kebenaran Maklumat dan Kesahihan Dokumen Yang Dikemukakan oleh Petender	BORANG- BORANG MAKLUMAT
Borang B -	CONTRACTOR'S PARTICULARS	
Borang C -	TENDERER'S FINANCIAL DATA	
Borang D -	CONTRACTOR'S LIST WORKS COMPLETED	
Borang E -	CONTRACTOR'S MANAGEMENT AND SUPERVISORY STAFF (ON SITE)	
Borang F -	CONTRACTOR'S CONSTRUCTIONAL PLANT / MACHINERY	
Borang G -	CONTRACTOR'S LIST OF WORKS IN PROGRESS	DOKUMEN- DOKUMEN SOKONGAN
Borang CA -	BANK / FINANCIAL INSTITUTION REPORT ON FINANCIAL STANDING OF AN APPLICANT	
Borang GA -	PROJECT SUPERVISOR REPORT ON PERFORMANCE CURRENT TENDERER	
Borang H -	PRELIMINARY WORKS PROGRAMME	

**SURAT PENGAKUAN KEBENARAN MAKLUMAT DAN
KESAHIHAN DOKUMEN YANG DIKEMUKAKAN OLEH
PETENDER.**

Nama Kontraktor :.....
Alamat :.....
.....
.....

Kepada,

Ketua Pegawai Eksekutif,
Syarikat Air Melaka Berhad.
(Pihak yang akan menilai tender)

Tuan,

MAKLUMAT LATAR BELAKANG, KEWANGAN DAN TEKNIKAL PETENDER

1. Kami telah membaca dan teliti semua arahan-arahan yang terkandung dalam Arahan Kepada Petender termasuk arahan yang menghendakkan kami mengemukakan maklumat-maklumat dan dokumen-dokumen mengenai perkara di atas bersama-sama dokumen tender kami semasa mengemukakan Tender ini untuk membolehkan SAMB menilai keupayaan kami untuk melaksanakan kerja yang ditender, semasa penilaian Tender.
2. Kami faham dan mengambil maklum bahawa penilaian Tender ini akan mengambil kira dan mementingkan keupayaan kami melaksanakan kerja yang ditender. Justeru itu tender kami akan hanya dipertimbang untuk diperakukan kepada Lembaga Tender untuk disetujui terima sekiranya kami didapati berkeupayaan untuk melaksanakan projek yang ditender, mengikut penilaian SAMB berasaskan maklumat-maklumat dan dokumen-dokumen yang kami kemukakan.
3. Kami juga mengambil maklum bahawa kami dikehendaki mengemukakan semua maklumat dan dokumen-dokumen yang diminta bersama-sama tender kami sebelum Tender ditutup dan maklumat-maklumat atau dokumen-dokumen yang dikemukakan kemudian daripada itu tidak akan diterima untuk diambil kira dalam penilaian keupayaan kami.
4. Kami mengaku bahawa maklumat-maklumat dan data-data yang kami berikan bersama-sama ini di Borang B, C, CA, D, E, F,G & GA, H dan dokumen-dokumen yang kami sertakan bersamanya setahu kami adalah semuanya benar dan sah pada semua segi dan kami telah mengambil makluman dan sedar akan tindakan yang boleh diambil oleh SAMB terhadap kami dan/atau tender kami, sekiranya mana-mana maklumat, data-data dan dokumen yang kami berikan itu didapati tidak benar atau palsu.

BORANG A (samb)

5. Kami juga mengambil maklum dan sedar bahawa Tender kami akan ditolak (disqualified) dan tidak akan dipertimbangkan sekiranya maklumat-maklumat yang kami berikan tidak mencukupi atau sekiranya kami gagal untuk memberikan bersama-sama ini mana-mana maklumat dan/atau menyertakan mana-mana dokumen penting yang sangat diperlukan untuk membolehkan SAMB menilai keupayaan kami, terutamanya dokumen-dokumen berhubung dengan kedudukan kewangan dan prestasi kerja semasa kami seperti berikut:-
- (1) Salinan Akaun Syarikat yang telah disahkan dan diaudit oleh Juru Audit yang bertaualiah, bagi dua (2) tahun kewangan terakhir.
 - (2) Salinan Penyata Bulanan Akaun Bank mengenai Wang Dalam tangan petender bagi (3) bulan terakhir sebelum tarikh tutup Tender;
 - (3) Laporan Penyelia Projek atas prestasi kerja semasa yang bukan projek SAMB atas Borang GA dalam satu sampul berlakri bagi setiap kerja semasa yang sedang dilaksanakan.
6. Kami dengan ini memberi kuasa kepada mana-mana pegawai kerajaan, jurutera-jurutera projek, bank dan institusi kewangan lain dan lain-lain atau mana-mana orang atau firma yang berkenaan untuk memberikan maklumat-maklumat yang dianggap perlu dan diminta oleh SAMB untuk menyemak maklumat-maklumat yang kami berikan atau untuk mendapatkan maklumat tambahan. Kami mengambil maklum bahawa pihak SAMB juga boleh merujuk apa-apa maklumat yang kami kemukakan dengan mana-mana pihak termasuk Jabatan Hasil Dalam Negeri. Walau bagaimanapun kami tetap bertanggungjawab di atas maklumat-maklumat dan dokumen-dokumen yang kami berikan bersama-sama ini.

Yang Benar,

.....
(Tandatangan Petender)

Tarikh:.....

Nama Penuh:.....

No. Kad Pengenalan:.....

Atas Sifat:.....

Yang diberi kuasa dengan sempurnanya untuk mendatangi Tender ini untuk dan bagi pihak:

.....
(Meteri atas Cap Petender)

Saksi:.....

Tarikh:.....

Nama Penuh:.....

No. Kad Pengenalan:.....

Pekerjaan:.....

Alamat:.....

CONTRACTOR'S PARTICULARS

All details below shall be filled by Tenderer correctly and accurately and returned together with tender. Failure to do so may result in the tender to be rejected.

1. Name :
2. Address :
3. Telephone and fax No. :
4. Registration with CIDB :
(Please attach Registration Certificate)
 - (i) Registration No. :
 - (ii) Date Registered :
 - (iii) Valid till :
 - (iv) Grade :
 - (v) Category :
5. Registration with SPAN :
(Please attach Registration Certificate)
 - (i) Registration No. :
 - (ii) Date Registered :
 - (iii) Valid till :
 - (iv) Category :
6. For Private Limited Company, state :

Approved Capital :

Paid-up Capital :
7. Bumiputera Status :
(Please attach Registration Certificate)
 - (i) Registration No. :
 - (ii) Date Registered :
 - (iii) Valid till :

.....
Signature & Official Stamp of Tenderer

.....
Date

CONTRACTOR'S COMPANY'S MEMBER

All details below shall be filled by Tenderer correctly and accurately and returned together with tender. Failure to do so may result in the tender to be rejected.

1) BOARD OF DIRECTORS/ MANAGEMENT STAFF

NAME*	DESIGNATION	NATIONALITY	QUALIFICATION

* Including Director or Owner of the Company.

* The Tenderer to submit Curriculum Vitae (CV) of the listed management staff.

.....
Signature & Official Stamp of Tenderer

.....
Date

TENDERER'S FINANCIAL DATA

1.0 Capital

(a) Authorised Capital : RM

(b) Paid-Up Capital : RM

(Submit certified copies of registration with Registrar of Companies/Business showing paid-up capital.)

2.0 Nett Worth and Working Capital

(a) Total Liabilities RM

(b) Total Assets RM

(c) Nett Worth (b - a) RM

(d) Liquid Assets (Working Capital available) RM

(e) Bank Reference

.....
.....
.....

3.0 Current Credit Resources

Banker's Credit Facilities

Please provide a recent letter of support from a bank certifying the overdraft limits enjoyed by your organisation.
(Please attach letter of support as shown in Borang CA in page SCH-B9/3 as an Appendix to this Schedule).

	<u>Total Facility Available</u>	<u>Facilities Used Up Currently</u>
Amount of overdraft		
Facility currently enjoyed	RM	RM
<i>(State source of overdraft)</i>		

TENDERER'S FINANCIAL DATA (Cont'd)

4.0 Annual Turnover

Annual turnover of organisation over last five years
(Up to the last Financial Year)

Turnover for 2021	RM.....
Turnover for 2022	RM.....
Turnover for 2023	RM.....
Turnover for 2024	RM.....
Turnover for 2025	RM.....

Total for last 5 years RM	_____

Average Annual Turnover RM	_____

.....
Signature & Official Stamp of Tenderer

.....
Date

CONTRACTOR'S LIST OF TEN (10) WORKS COMPLETED (within the last ten (10) years)

Name of Project	Government/Agencies/ Consultant In-charge of Project	Contract Price (RM)	Contract Period*	Actual Date of Completion**

* Including the approved extension of time.

** Please attach the copy of Certificate of Practical Completion or Letter of Acceptance.

.....
Signature & Official Stamp of Tenderer

.....
Date

CONTRACTOR'S MANAGEMENT AND SUPERVISORY STAFF (ON SITE)

Tenderer shall enter hereunder a brief description of the key personnel whom the Tenderer proposed to employ part-time or full-time on site to execute the Works. The list shall not relieve him of the responsibility to provide adequate and competent supervisory staff necessary for the proper execution and timely completion of the Works.

No.	Name	Position/ Designation	Age	Nationality	Date of Employment	Qualification	Year of Experience

Notes:

- 1) Tenderer to attach copy of the Curriculum Vitae (CV) of the proposed supervisory staff (minimum supervisor and above).
- 2) Tenderer to attach copy proof of employment of the proposed staff, e.g copy of EPF Form A for the latest 3 months of contribution, or appointment letter of contract staff.
- 3) Tenderer to attach Organisation Chart comprising the listed above staff.

.....
Signature & Official Stamp of Tenderer.....
Date

CONTRACTOR'S CONSTRUCTIONAL PLANT / MACHINERY**SECTION 1: Proposed Plant / Machinery.**

Proposed plant / machinery to be used in order to construct and complete the Works in accordance to the Specification.

Item	Type of Plant / Machinery	Size or Capacity	Owned / Rental*	Quantity

* Indicate 'O' for owned or 'L' for leased, whichever is applicable.

SECTION 2: Supporting Documents

Supporting documents for proposed plant / machinery mention in Section 1:

OWNED				
Item	Type of Plant / Machinery	Maker's Name	Registration No. or Serial/Engine No.	Year of Manufacture

Please submit registration card / purchase order (P.O.) / delivery order (D.O.) or other documents whichever deemed fit as proof of ownership.

SECTION 2 : Supporting Documents (Cont'd)

Supporting documents for proposed plant / machinery mention in Section 1:

RENTAL				
Item	Provider of Facilities	Amount (RM)	Type of Plant / Machinery	Type of document(s) attached*

*Please submit credit facilities documents, rental agreement or other documents whichever deemed fit as proof of rental.

Notes:

1. This form is separated in 2 sections which are proposed plant / machinery and supporting documents.
2. In proposed plant / machinery section, the tenderer to proposed type and quantity of machinery to be used in this contract.
3. In supporting documents section, the tenderer to provide supporting document of the plant / machinery either owned or rented.
4. Quantities of plant / machineries being proposed should be integrated with numbers of work group / gang (if applicable).

.....
Signature & Official Stamp of Tenderer

.....
Date

CONTRACTOR'S LIST OF WORKS IN PROGRESS

Name of Project	Government/Agencies/ Consultant In-charge of Project	Contract Price (RM)	Contract Period**	Percentage Complete To-date (state date)	Remarks by Officer Evaluating Tender*

Notes :

- 1) * Denotes tenderer are not required to complete this column, which shall be completed by Officer evaluating tender.
- 2) ** Denotes including the approved extension of time. Copy of Letter of Award and Approved Extension of Time are required to be submitted.
- 3) Tenderer is required to submit GA Form as in page Borang G/2

.....
Signature & Official Stamp of Tenderer.....
Date

**FORM CA – BANK / FINANCIAL INSTITUTION REPORT ON
FINANCIAL STANDING OF AN APPLICANT**

(This form is to be filled in by the Bank or other Financial Institution in which the applicant has credit facilities and to be handed to the applicant in a sealed envelope which is to be part of his submission for this tender).

To:
Syarikat Air Melaka Berhad
Lot 897, Wisma Air, Jalan Hang Tuah,
75300 Melaka

Applicant's Name:

Project :
.....

A) Credit facilities currently being utilized

Approved credit facilities and amount utilized to applicant are as follows:-

Product	Limit (RM)	Total Used (RM)	Available Balance (RM)
Overdraft			
Term Loan			
LC]			
BA]			
BG]			
One Off Performance Bond			
Blanket bank Guarantee Line			
Design Liability Guarantee			
Total			

B) Comments of Applicant's Account and Financial Standing

..... (Comments from the bank).....
.....
.....

Signed for and behalf of Bank /Financial Institution :
Name of Officer :
Designation :
Name of Bank / Financial Institution :
Date :
Bank's / Financial Institution's Seal :

This information is given in full confidence and without any responsibility on the part of the Bank and/or its officers.

CONFIDENTIAL**FORM GA - PROJECT SUPERVISOR REPORT ON PERFORMANCE CURRENT TENDERER (shall also applicable for project under Syarikat Air Melaka Berhad)**

(This form must be filled up by SO or PM or RA or RE supervising the project & be given to tenderer in a sealed envelope. The Tenderer must then submit this report together with his tender).

To: Syarikat Air Melaka Berhad
Lot 897, Wisma Air, Jalan Hang Tuah
75300 Melaka

Contractor's Name :

Project's Name :

.....

Contract No. :

Contract Sum (Including VO to-date) : RM

Prime Cost Sums & Provisional Sums : RM

Value of Builder's Work : RM

Site Possession Date :

Contract Period : weeks

Original Completion Date :

Approved Extension of Time : days

Further extension applied to likely to be granted by S.O : days

Reasons for extension : (i)

(ii)

.....

Work Progress (based on value of work done) :

Actual progress to date : %

Progress as planned : %

Expected new Date of Completion :

Value of works completed to date : RM

Balance of value works to be completed : RM

Comments on Contractor Performance (State any recommendation or weakness in project implementation).

.....

.....

.....
Signature of SO/PM/RA/RE

Name :

Chop :

Position :

Date :

PRELIMINARY WORKS PROGRAMME

ACTIVITY	DURATION IN WEEKS											
	1	2	3	4	5	6	7	8	9	10	11	12

Note:
Tenderer to list down related activities in the scope of works of this tender.

.....
Signature & Official Stamp of Tenderer

TRACK RECORD

A. PLANT AND EQUIPMENT

The Tenderer shall list the track records for plant/equipment of similar nature and magnitude as called for under the Tender, in SAMB.

At least 2 track records shall be entered in this schedule, for each plant/equipment offered.

Plant/Equipment/ Make	Capacity / Rating / Size	Name of Works & Owner	Country	Year Completed/ Start of Operation
Treated Water Pump				
Treated Water Pump Motor				
Inverter				