

CADANGAN KERJA-KERJA PEMBAIKAN RUNTUHAN LONGKANG UTAMA DAN LAIN-LAIN KERJA YANG BERKAITAN DI JALAN ARIF, BANDAR PUTRA PERMAI, SERI KEMBANGAN, SELANGOR DARUL EHSAN.

NO.SEBUTHARGA: MBSJ.KUB.400-5/7/1137

BIL	HURAIAN
	<p>GENERAL INFORMATION TO BILL OF QUANTITIES</p> <p>GENERAL</p>
A	<p><i>The Works contained in the Contract shall include the provision of all labour, materials, constructional plant, temporary or permanent works as required in the Contract.</i></p>
B	<p><i>The Bill of Quantities shall be read in conjunction with the Conditions of Contract, the Specification and the Drawings in the Contract documents.</i></p>
C	<p><i>The items as set out in the Bill of Quantities shall apply to the whole of the Works contained in the Contract and the Contractor shall allow for compliance with the same and for any cost incurred in connection therewith</i></p>
D	<p><i>Headings are not comprehensive and do not necessarily reflect or modify the meaning of the items in the BQ. The exact nature and extent of the work to be carried out shall be ascertained by reference to the Contract as a whole, in particular the conditions of Contract, the Specification and the Drawings. It shall be read together with the relevant " Method of Payment"</i></p>
E	<p><i>The amounts inserted by the Contractor for such items shall be deemed to apply to the whole of the Works carried out under this Contract</i></p>
F	<p><i>Each items shall be individually priced. Bulk pricing for sections, trades, groups or pages of items shall not be allowed and no subsequent claims for loss or expense and/or profit shall be entertained for failure to comply with the clause.</i></p>
G	<p><i>The rates and prices inserted in the Bill of Quantities shall include cost of the works described, all risks, liabilities, and obligations set forth or implied in the Contract Document and shall be deemed to include the following, unless expressly stated otherwise:</i></p> <p><i>a) The provision of the labour and all costs in connection therewith;</i></p> <p><i>b) The supply of materials, goods, equipment and storage thereof including delivery to site and all costs in connection therewith</i></p> <p><i>c) Taking delivery of materials, goods, and equipment necessary for the Works and including those supplied by others, loading and unloading, storage and all costs in connection therewith;</i></p> <p><i>d) The usage of plants and macineries and all costs in connection therewith;</i></p> <p><i>e) The fixing, erecting and installing or placing in position of materials, goods and equipment including around obstruction, tolerances, penetration, working space, over-breaks etc. and all costs in connection therewith;</i></p> <p><i>f) The provision of all temporary works and all costs in connection therewith unless seperately provided for in the Bill of Quantities;</i></p> <p><i>g) The phasing requirements of the Works including the effect on the programming of the Works of all the traffic and drainage diversions, special sructural requirements, earthwork restrictions, alterations to services and street lighting (executed under the Contract or in conjunction with it) and all other requirments of the Contract and all costs in connection therewith;</i></p> <p><i>h) All cost of testing to show proof of compliance with the Specification on materials and workmanship inclusive of the samples of materials and submission of tests results. Should the frequency of testing and sampling not specified, then it shall be in accordance with the relevant Malaysian/British Standards and Codes of Practice. Where there is no such relevant Standards and Codes of Parctice for reference, it shall then be as instructed by the S.O.;</i></p>
A1/1	

CADANGAN KERJA-KERJA PEMBAIKAN RUNTUHAN LONGKANG UTAMA DAN LAIN-LAIN KERJA YANG BERKAITAN DI JALAN ARIF, BANDAR PUTRA PERMAI, SERI KEMBANGAN, SELANGOR DARUL EHSAN.

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	<p>GENERAL INFORMATION TO BILL OF QUANTITIES</p> <p><i>i) all royalties and dues which the Contractor may be required to pay;</i></p> <p><i>j) wastage;</i></p> <p><i>k) establishment charges, overheads and profit;</i></p> <p><i>l) whatsoever method of constructuon the Contractor may adopt;</i></p>
A	<p><i>Where any priced item in the BQ but has not be exwcuted on the site by the Contractor, the cost of such priced item shall accordingly be deducted from the Contract Sum.</i></p>
B	<p><i>All items priced shall be deemed to include compliance with the provisions of the contract, statutes, regulation, by-laws or any order or directive issued by public authority or public service company and other related legislation currently in force.</i></p>
C	<p><i>Not withstanding the above clauses, the S.O. reserves the right to request from the Contractor the detailed breakdown of the pricing fo items or rates in the B.Q. for his perusal. The detailed breakdown pricing may be used as a basis for for the administration of the Contract.</i></p>
	<p>MEASUREMENT</p>
D	<p><i>Quantities in the Bill of Quantities are measured in accordance with the Malaysian Standard Method of Measurement of Building Works (2nd Edition Metric 2000).Where departure have been made from he standards mentioned, the method adopted in the Bills shall be adhered to for the purposes of ascertaining the value of all variations and measurements.</i></p>
	<p>UNPRICED ITEMS</p>
E	<p><i>Where any items is left upriced, it shall be deemed that the cost of such item has been allowed for elsewhere within this document. No subsequent claims arising out of expense and/or loss incurred against such unpriced item shall be entertained.</i></p>
	<p>GENERAL ATTENDANCE FOR NOMINATED SUB-CONTRACTORS AND NOMINATED SUPPLIERS</p>
F	<p><i>Attendance and facilities for Nominated Sub-contractors and nomnated suppliers shall include:</i></p> <p><i>a) in the case of works or services executed: for allowing the use of existing working space, access, temporary roads, erected scaffolding, sanitary, welfare and other facilities existing on Site and the provision of protection, water, electricity for lighting and clearing away rubbish and debris arising from the work;</i></p> <p><i>b) in the case of goods, materials or services supplied; for taking delievry, unloading, storing, protectiona and returning crates, cartons and packing materials,</i></p> <p><i>all as specified in the specification</i></p>
	<p>PHASING SEQUENCE OF OPERATIONS AND METHODS OF CONSTRUCTION</p>
G	<p><i>The rates and prices shall, unless otherwise stated, include for the costs of compliance with any restrictions imposed on the programming of the Works by the Government and Local Authoritirs and other relevant authorities dealing with phasing sequence of operations, method of construction, safety and health and liason and access</i></p>
	<p>TRIALS, SAMPLES, TESTS AND INSPECTION</p>
H	<p><i>The rates and prices shall include for a testing laboratory or an accredited laboratory approved by SIRIM, equipment and staff for carrying out the tests, tests and the effects on the progress of the Works for the carried out of all trials, sampling and tests whether specified in the contract Document or otherwise in order to ensure compliance with requirements of the specification except where separately itemised in the Bill of Quantities.</i></p>
A1/2	

BIL	HURAIAN
	<p>GENERAL INFORMATION TO BILL OF QUANTITIES</p>
	<p>EXISTING SERVICES AND MAINS</p>
A	<p><i>The Contractor shall include in his rates and prices for taking measures to locate the actual position and provide support and full protection of existing services and mains and other equipment and machineries during the progress of the Works, The contractor shall inform the S.O. of all arrangements with Statutory and Public Utility Authorities.</i></p>
	<p>PHRASEOLOGY</p>
B	<p><i>Differences in the method of billing and in phraseology used in various parts of the Bill of Quantities and/or Schedule of Rates shall not be a basis of any claim for an increase in the rates and prices.</i></p>
	<p>PROVISIONAL SUMS</p>
C	<p><i>All provisional sums included in the Bill of Quantities are intended to be approximate indications only of the amounts to be expected in respect of the work described and may be omitted entirely or substantially varied without entitling the Contractor to any claim for compensation. No part of the Contractor's overhead, expenses or profit should included in these sums when the bill is priced unless items for profit and attendance are specifically allowed for.</i></p>
	<p>CURRENCY OF PAYMENT</p>
D	<p><i>Pricing of the Contract shall be in Malaysian Ringgit to two decimal place. Payment to the Contractor to the Contractor under the Contract shall be in Malaysian Ringgit.</i></p>
	<p>TEMPORARY DIVERSIONS</p>
E	<p><i>Work in connection with the temporary diversion and relocation of existing overhead and underground services, whether detailed in the Contract or not shall be covered by the appropriate Lump Sums Items in Bill No. 1: Preliminaries and General Conditions unless separately measured in other parts of the Bill of Quantities.</i></p>
	<p>ABBREVIATIONS</p>
F	<p><i>The following abbreviations or symbols are generally used in the Contract Document and shall be read as follows:</i></p> <p>a) mm: millimetres b) m: metre c) m²: square metre d) m³: cubic metres e) kg: kilogramme f) tonne: metric ton g) No.: number h) L.S.: Lump sum j) P.C. Sum: Prime cost Sum k) P.S.: Provisional Sum l) RM: Ringgit Malaysia</p>
A1/3	

CADANGAN KERJA-KERJA PEMBAIKAN RUNTUHAN LONGKANG UTAMA DAN LAIN-LAIN KERJA YANG BERKAITAN DI JALAN ARIF, BANDAR PUTRA PERMAI, SERI KEMBANGAN, SELANGOR DARUL EHSAN.

NO.SEBUTHARGA: MBSJ.KUB.400-5/7/1137

BIL	HURAIAN
	<p>GENERAL INFORMATION TO BILL OF QUANTITIES</p> <p>SCOPE OF WORKS</p> <p><i>The works included under this Contract comprises:</i></p> <ul style="list-style-type: none"><i>a) Excavation Works</i><i>b) Piling Works</i><i>c) Drainage Works</i><i>d) Roadworks (Guardrail)</i>
A1/4	

CADANGAN KERJA-KERJA PEMBAIKAN RUNTUHAN LONGKANG UTAMA DAN LAIN-LAIN KERJA YANG BERKAITAN DI JALAN ARIF, BANDAR PUTRA PERMAI, SERI KEMBANGAN, SELANGOR DARUL EHSAN.

NO.SEBUTHARGA: MBSJ.KUB.400-5/7/1137

BIL	HURAIAN	JUMLAH (RM)
A	<p>Project Signboard The contractor shall provide, erect, and maintain a project signboard as specified.</p>	
B	<p>Site Survey and Setting out The Contractor shall employ a licensed surveyor to carry out site surveys before commencement and setting out of the Works.</p>	
C	<p>Construction Plan The Contractor shall submit to the S.O. for his approval the following as specified:</p> <ul style="list-style-type: none"> a) Programme of Works b) Method statements c) Contractor's organization chart d) Schedules e) Quality Assurance Plan for Works Contract worth RM10 Million and above <p>i) Provide a quality Assurance Team full time on site for the institution, administration and maintenance of the Quality Assurance Plan and the preparation and submission of All Quality Assurance Reports as specifies, throughout the duration of the contract</p> <p>ii) The Contractor shall appoint a suitably qualified and experienced person to act solely as a Quality Assurance Officer full time on site to lead Quality Assurance Team. (Refer Addendum to specification for project worth RM10 million and above)</p>	
D	<p>Contractor's Plant The Contractor shall provide, erect, keep insured, maintain and remove on completion all requisite scaffolding, hoist, crane, construction plant, ladder, staging, tarpaulins, et cera (excluding piling and pile testing equipment), as necessary for the execution of the Works.</p>	
E	<p>Temporary Access and Maintenance of Existing Roads The Contractor shall provide and maintain all necessary temporary roads, culverts, tracks, bridges, et cera for access to and within the Site as Specified.</p>	
F	<p>The Contractor shall maintain all access including existing roads, bridges, drains, culverts, roadside furniture, and all other appurtenances and services on such roads throughout the construction period. The Contractor shall make good any above mentioned item damaged by any work carried out by him.</p>	
G	<p>The Contractor shall locate the actual position and provide support and full protection of existing services and mains during the progress of the Works. The Contractor shall inform the S.O. of all arrangements with the various authorities.</p>	
H	<p>Control of Workmen, Plant And Machinery At Site The Contractor shall ensure the safety, health and welfare at work of all his workmen as specified.</p>	
	A1/5	TO COLLECTION (RM)

CADANGAN KERJA-KERJA PEMBAIKAN RUNTUHAN LONGKANG UTAMA DAN LAIN-LAIN KERJA YANG BERKAITAN DI JALAN ARIF, BANDAR PUTRA PERMAI, SERI KEMBANGAN, SELANGOR DARUL EHSAN.

NO.SEBUTHARGA: MBSJ.KUB.400-5/7/1137

BIL	HURAIAN	JUMLAH (RM)
A	<p>Contractor's Temporary Accommodation And Facilities For Workmen Living On Site <i>The Contractor shall provide and maintain all temporary accommodation and facilities including temporary lighting, plumbing, water storage, sanitary and sewerage for his labour and staff living on Site as specified.</i></p>	
B	<p>Care And Protection of Materials and Works <i>The Contractor shall provide and maintain everything necessary for proper protection of materials and Works from any damage by weather. All safety and protection measures shall be implemented to protect the slope area from collapse. The contractor shall notify the Superintendent Officer if there are signs of failure on the slope. The construction work shall be discontinued in the event of heavy rains during construction and after heavy rain unless a permission given by the Superintendent Officer.</i></p>	
C	<p>Shop Drawings, Samples and Mock-ups <i>The Contractor shall submit relevant shop drawings, samples of materials or workmanship and mockups units as specified for the S.O 's approval</i></p>	
D	<p>Progress Photographs <i>The Contractor shall take progress photographs and submit to the S.O. as specified.</i></p>	
E	<p>Material Testing Laboratory and Staff <i>The Contractor shall provide/erect a testing laboratory within the site or rent a premise or propose an accredited laboratory approved by SIRIM as specified. The Laboratory shall be equipped with the necessary equipment and staff required to carry out the test.</i></p>	
F	<p>Survey Instruments and Personnel <i>The Contractor shall provide all such instruments, equipment and survey personnel as specified throughout the duration of the original Contract Period until 6 months after the issuance of the Certificate of Practical completion as per SO required.</i></p>	
G	<p>Site Items for S.O./ Office Equipment and Facilities <i>The Contractor shall provide all Personal Protective Equipment required for the use of the S.O. and his supervisory staff complete as specified and complying with DOSH requirements.</i></p>	
H	<p><i>The Contractor shall provide suitable types of the fire extinguishers as specified.</i></p>	
J	<p><i>The Contractor shall provide the equipment and facilities for the use of the S.O., his representatives and staff throughout the duration of the original Contract Period.</i></p>	
K	<p>Safe Working Area <i>The Contractor shall supply, erect, maintain and remove on completion of the Works, scaffolding and working platform with safety nettings, catch platforms, safety barricades, fencing, railing, screen wire netting and toes board, guardrails or board fences and sufficient illuminations all as specified.</i></p>	
L	<p><i>The Contractor shall supply, erect, maintain and remove on completion of the Works, adequate, protective and security hoarding, scaffolding and working platform with safety nettings and such other safety measures necessary to ensure the safety of the workers, personnel, public and others at or within the vicinity of the Site, all as specified.</i></p>	
	A1/6	TO COLLECTION (RM)

CADANGAN KERJA-KERJA PEMBAIKAN RUNTUHAN LONGKANG UTAMA DAN LAIN-LAIN KERJA YANG BERKAITAN DI JALAN ARIF, BANDAR PUTRA PERMAI, SERI KEMBANGAN, SELANGOR DARUL EHSAN.

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BIL	HURAIAN	JUMLAH (RM)
A	<p>Safety, Health And Welfare <i>The Contractor shall ensure the safety, health and welfare at work site as specified including but not limited to:</i></p> <p><i>a) Provision of First Aid Kit</i> <i>b) Pest control including keeping the site clean and dry to prevent breeding of mosquitoes, rodents, insects and vermin of any kind.</i> <i>c) Fogging at regular intervals</i></p>	
B	<p><i>The Contractor shall provide and maintain adequate traffic safety and control including signages, warning lights and flagmen as necessary.</i></p>	
C	<p>Keeping The Site Tidy <i>The Contractor shall make every effort to keep the site in a reasonably clean and tidy condition for the duration of the Works as specified.</i></p>	
D	<p>Clearing, Cleaning and Making Good On Completion <i>The Contractor shall clear and clean the Works Including existing roads, drains bounding the Site of any debris, earth, et cera and make good all damages upon completion as specified.</i></p>	
E	<p>Form of Contract <i>The Contrator shall refer Standard Form of Contract for further information. The Contractor may price here for all the expenses involved in compying with the terms of these Clauses, othervwise such as expenses are deemed to be included elsewhere.</i></p>	
	A1/7	TO COLLECTION (RM)

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BIL	HURAIAN	JUMLAH (RM)
A	<p><u>Clause No.13</u> <i>Performance Bond</i></p> <p><i>For due observance and performance of this Contract the Contractor shall have to provide:</i></p> <p><i>Performance Bond in form of an approved Bank or Insurance Takaful Guarantee equal to five percent (5%) of the contract sum to be deposited with the Government as a condition precedent to the commencement of any work under this contact.</i></p>	
B	<p><u>Clause No. 15</u> <i>Takaful/Insurance Against Personal Injuries and Damage To Property</i></p>	
C	<p><u>Clause No 16</u> <i>Indemnities to Government in Respect of Claim by Workmen</i></p>	
D	<p><u>Clause No. 17</u> <i>employees' Social Security Act, 1969</i></p>	
E	<p><u>Clause No 18</u> <i>Takaful/Insurance of Works</i></p>	
F	<p><u>Clause No 35</u> <i>Materials, Goods and workmanship - Opening up of work for inspection or testing of materials or goods</i></p>	
	<p>A1/8</p>	<p>TO COLLECTION (RM)</p>

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BIL	HURAIAN	JUMLAH (RM)
A	<u>COLLECTION PAGE</u> BILL A : PRELIMINARIES 5/9 :
B	BILL A : PRELIMINARIES 6/9 :
C	BILL A : PRELIMINARIES 7/9 :
D	BILL A : PRELIMINARIES 8/9 :
	A1/9	TOTAL CARRIED TO SUMMARY OF TENDER (RM)