

# MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN) JALAN GAN SWEE CHOO, KUCHING (DBKU/CQS/P/25/17)

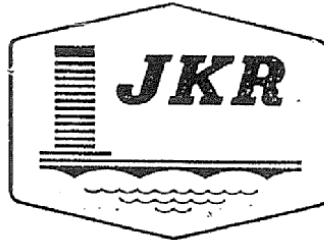
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## **SECTION D**

# **STANDARD SPECIFICATION FOR ROAD WORKS (JKR/SPJ/1988)**

# JABATAN KERJA RAYA



## STANDARD SPECIFICATION FOR ROAD WORKS

**NOTE:**

Tenderers are to note that this preprinted standard document is **NOT** provided with the bound set of Tender Document but is available separately. Tenderers are to obtain copy of this at their own cost from Jabatan Kerja Raya (JKR) Head Quarters.

KETUA PENGARAH KERJA RAYA  
IBU PEJABAT JABATAN KERJA RAYA  
JALAN SULTAN SALAHUDDIN  
50582 KUALA LUMPUR

CAWANGAN JALAN  
IBU PEJABAT JABATAN KERJA RAYA  
JALAN SULTAN SALAHUDDIN  
50582 KUALA LUMPUR

# **SECTION E**

## **SUPPLEMENTARY TO STANDARD SPECIFICATION FOR ROAD WORKS (JKR/SPJ/1988)**

**MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN) JALAN GAN SWEE CHOO,  
KUCHING (DBKU/CQS/P/25/17)**

**Preliminaries & General**

1. **General**

Tenderers must visit the site to ascertain the local conditions and no claim will be entertained on the ground of lack of knowledge of the area and its surrounding.

2. **Contract Documents**

The following documents shall form part of the contract:-

- (a) Conditions of Tendering
- (b) Form of Tender
- (c) Appendix to the Form of Contract
- (d) *Surat Akuan Pembida*
- (e) DBKU Form of Contract
- (f) Addendum to DBKU Form of Contract
- (g) Standard Specification for Road Works (JKR/SPJ/1988)
- (h) Supplementary to Standard Specification for Road Works (JKR/SPJ/1988)
- (i) Environmental Specification
- (j) Traffic Safety Code for Temporary Road Works
- (k) Integrated Management System Policy
- (l) Summary of Tender
- (m) Schedule of Rates
- (n) List of Drawings (DBKU/IMT/L/17-07 (Sheet 1/14 – Sheet 14/14)
- (o) *Surat Pengakuan Kebenaran Maklumat dan Keesahan Dokumen yang dikemukakan oleh Pentender.*
- (p) Details of Tenderer
- (q) *Data-Data Kewangan*
- (r) *Laporan Bank/Institusi Kewangan mengenai Kedudukan Kewangan Pentender*
- (s) *Laporan Penyelia Projek atas Prestasi Kerja Semasa Pentender (Bukan Projek DBKU)*
- (t) Form of Agreement
- (u) Bank Guarantee for Performance Security.

3. **Discrepancies**

Should the Specifications or drawings not agree or unintelligible to the Contractor or if the materials, or workmanship be considered as insufficiently described the Contractor must ascertain the exact requirements from the Superintending Officer (particularly before tendering) as no allowance will be made later for any alleged discrepancies or deficiency of description.

4. **Completion Time**

The Contractor must complete perfectly the whole works within **Four (4) months** from the official commencement date. If the time taken to complete the works exceeds the contract completion period, the Contractor shall pay a sum of **Ringgit Malaysia : One Hundred and Thirty Only (RM130.00) per day** as liquidated and ascertained damages, subject to any extension of time granted by the Superintending Officer.

**Preliminaries & General (Cont'd)**

5. **Entirely of Contract**

Any matters of construction and workmanship which are fairly and obviously intended but which may not be definitely referred to in the specification or drawings and which are usual in sound construction practice and essential to the works are considered as included in the contract.

6. **Damages To Services**

The Contractor shall make all necessary enquires to ascertain the position of the underground and exposed services such as water pipelines, drains, telephone and electric cables etc. Care is to be taken to avoid damages to all services. The Contractor is to be responsible for the cost of repair and make good to any damages.

All pipes, ducts, cables, mains and other services exposed during excavations shall be effectively supported by timber or other means.

7. **Damages To Properties**

The Contractor must take extra care to avoid damage to all boundary fences, hedges, slabs, drains, walls, roads ornamental trees, bushes, turf, and flowers and all types of structures and landscape during the execution of the work and shall indemnify DBKU against any claims arising from such damage caused as a result of his operations or after the completion of works.

8. **Insurance**

The following insurances are required to be taken up by the Contractor for the works:-

- (a) Workmen's Compensation Insurance.
- (b) Insurance for the full contract value of the works against damage by all possible risks including Public Liability Insurance (Contractors All Risks).
- (c) Any other insurances when deemed necessary for this purpose.

The Contractor shall comply with all advice, recommendations and instructions of Dewan Bandaraya Kuching Utara appointed Insurance Consultant for the project. Such advice, recommendations and instructions shall include all matters pertaining to the terms and conditions of insurance and the extent of insurance coverage for the contract.

**Preliminaries & General (Cont'd)**

8. **Insurance**

The Contractor shall deposit with the Superintending Officer the policies and the receipts for the premiums paid for such insurance. In case of failure by the Contractor to effect or renew such insurances and pay the premium in respect of the Contract, the Superintending Officer may and will deduct the amount so expended from any money due to or to become due to the Contractor.

The Policy for (b) above shall state specifically that damages resulting from flood or due to negligence of the Contractor is an occurrence to be covered by the policy.

9. **Delay and Extensions of Time**

Extension of time shall be considered in accordance with Clause 41 of the DBKU Form of Contract.

10. **Dimensions**

Written dimensions are to be preferred in all cases to scaled dimensions. Where written dimensions may be omitted, confirmation of scaled dimensions must be obtained from the Superintending Officer or his representatives.

11. **Contractor To Provide Everything**

All in accordance with Clause 1.6 of the Standard Specification for Road Works

12. **Defect Liability Period**

The Defect Liability Period shall be **Eighteen (18) months** commencing on the date of certified practical completion of the works.

13. **Lump Sum Contract**

This is a lump sum contract. Any variation as instructed by the Superintending Officer by writing will be adjusted according to the tendered rates in the Schedule of Rates.

When information is not available in this specification, the Contractor shall refer to the drawing for details.

Where works are ordered to be performed by the contractor but such works are not specified in the Specification or drawings but are obviously intended and are essential to the works in the contract, the Contractor must nevertheless carry them out with full diligence and experience as are to be expected of him as a good Contractor.

14. **Method of Payment**

This is a lump sum contract with interim payment.

**Preliminaries & General (Cont'd)**

**15. Tidying Up Work Site**

During the construction and upon completion of the works, the Contractor shall clear all debris, rubbish, unused materials etc from the site and leave the work site and its immediate surroundings clean and tidy.

**16. Traffic**

In addition to Clauses 24 of the Form of Contract, the Contractor shall ensure that the works will be executed in such a manner as to cause minimum interference to the road traffic and minimum inconvenience to the public.

No construction plant or material should be placed on the road carriageway.

**17. Setting Out**

The Contractor shall be responsible for all setting out of the works for construction purpose and shall thereof provide or engaged a qualified surveyor and all necessary survey equipment for setting out pegs for these purposes.

The Contractor shall be wholly responsible for the preservation of the boundary pegs likely to be affected by the works. In the event of damage to the boundary belian peg, the Superintending Officer must be notified immediately and the cost of establishment of the pegs shall be borne by the Contractor.

**18. Definition of Terms**

The following terms as used in the Contract Documents, shall have the meanings herein under assigned.

“Employer” means the Commission of the City of Kuching North or in Bahasa Malaysia “Dewan Bandaraya Kuching Utara” established under Section 4 of the City of Kuching North Ordinance, 1988, who for the purpose of this Contract is the Director of DBKU.

“Superintending Officer” means the [person indicated by name or by office in the letter accepting the tender and his successor in office or any person from time to time appointed in writing by the Director](#)

“Contractor” means the person, persons or firm contracting for these works whose tender has been accepted by the Employer including his or their heir, executors or administrators.

“Site” means the land or other places or under in or through which the works are to be executed and any other land or places provided by the Employer for the purposes of this Contract

“Works” means the whole of the materials, labour, plant and other things necessary and requisite for the proper execution of the contract as shown on the drawings and in the contract documents and as are required of the main contractor to complete the Contract.

“Approved” means approved and/or selected by the Superintending Officer or his authorized representative.

“As Directed” means as directed by the Superintending Officer or his authorized representative.



**Preliminaries & General (Cont'd)**

“Instructed” means instructed by means of drawings, correspondence or other documents issued by the Superintending Officer.

“As Required” means as required in this contract documents or as required to carry out the works in accordance with the drawings and contract documents.

“As Shown” means as shown in the drawings.

“Month” means calendar month.

“Satisfactory” means to the satisfaction of the Superintending Officer.

“Manufacturers Instruction” means all instruction, recommendations and advice issued by the Manufacturer or their agents.

“Provisional” or “All Provisional” means “Provisional Quantities” and may be varied at the discretion of the Superintending Officer where circumstances rendered it necessary and the contractor will have no claim whatsoever for allowance of profit in respect of the work so varied or omitted completely.

Whenever the word “Allow” occurs in these tender, the cost of the item shall be entirely at the risk of the contractor.

19. **Performance Security**

The Contractor is to enter a contract and a Performance Security amounting to five (5) percent of the contract sum.

20. **Safety of Persons On Site**

The Contractor shall comply with the relevant acts or status of parliament, regulations, etc relating to the safety of persons of about the site. He shall provide and maintain all the danger plates, traffic construction sign Boards and all other necessary signs and notice which are required by the Superintending Officer.

21. **Store/Shed**

No store/shed is allowed within road reserve. No accommodation is allowed on site.

22. **Works Programme And Work Safety Plan**

The Contractor is required to supply three (3) copies of his detailed Works Programme and Work Safety Plan to the Superintending Officer at the start of the job for his approval. On receipt of the approval to Works Programme and Work Safety Plan the Contractor will be expected to adhere to the Works Programme to ensure completion of works without delay. The Contractor shall comply with the Work Safety Plan submitted and approved by Superintending Officer. All changes to the programme must be approved by the Superintending Officer.

**Preliminaries & General (Cont'd)**

**23. Safety and Health Compliance**

The Contractor shall comply with all the safety and health requirement as stated in the Tender Document including personal protective equipment; temporary traffic warning signs and lamps; and two (2) set of First Aid Kit completed with all necessary undue items. DBKU's enforcement officer shall visit the site to ensure that the safety is adequately provided on site. Failure to comply with this provision shall be punishable to a fine of **Ringgit Malaysia: Fifty (RM50.00)** Only each day and shall be deducted from the payment Interim Certificate.

Prior to the commencement of the Works, the Contractor shall at their own cost register the awarded Contract with the JKKP and furnish the evidence of the said registration to the Superintending Officer.

**24. Temporary Traffic And Warning Signs, And Lamps**

1. Temporary Road Furniture

a) Water - Filled HDPE Road Barrier

Provide water – filled HDPE Road Barrier as shown on the Drawings and / or as directed by the Superintending Officer, and as specified including installing in the first position as shown on the drawings and storage, maintenance and replacement during construction period and removal on completion of the road works.

b) Warning Lamp (Blinker)

Provide warning lamp/blinkers with batteries as shown on the Drawings and / or as directed by the Superintending Officer and as specified including installing in the first position as shown on the drawings and storage, maintenance and replacement during construction period including removal from site at the end of each stage and at the completion of the road works.

2. Temporary Signs

(in accordance to JKR Arahan Teknik (Jalan) 2C/85 : Manual on Traffic Control Devices Temporary Signs and Work Zones Control)

Provide and install in position all temporary traffic signs of fluorescent orange prismatic retro-reflective sheeting including all posts brackets, painting and everything complete as shown on the Drawings and/ or as directed by the Superintending Officer including removal from site at the end of each stage and the completion of the road works.

- a) Danger signs in construction area, T12
- b) Road works signs, T1
- c) AWAS signs, T4
- d) Movable traffic guidance, T19

**25. Jabatan Kerja Raya Standard Specification For Road Works (JKR/SPJ/1988)**

Note: Tenderers are to note that the above preprinted standard documents is NOT provided with the bound set of Tender Documents but is available separately. Tenderers are to obtain copy of this document at their own cost from Jabatan Kerja Raya (JKR) Head Quarters.

**Preliminaries & General (Cont'd)**

Only the following sections are applicable under this contract. However, if Sections/clauses outside the below –quoted Sections are referred to by the below-quoted Sections, the contract shall include those referred Sections/clauses.

- |      |           |   |                |
|------|-----------|---|----------------|
| (i)  | Section 1 | - | General        |
| (ii) | Section 3 | - | Drainage Works |
| (ii) | Section 9 | - | Concrete       |

The followings are amendments/supplements to clauses contained in the Standard Specification of Road Works (JKR/SPJ/1988).

**Section 1 – General**

(a) **Clause 1.1 – General Description of Project**

This project is situated at part of Zone Batu Lintang, as shown in the site plan. The existing concrete open drain constructed on both of the roads has narrowed the grass verge area which limited the construction of foot along the said road. Thus this project calls for the construction of drain cover for the existing open drain. Upon completion of the project, these said area will be aesthetically improved with the covering up of drain and the residents will benefit from the provision of footpath cum drain cover.

(b) **Clause 1.2 - Scope of Works**

This project calls for the following:-

1. Preliminaries and general.
2. Earthworks including hacking of existing concrete structures, leveling and site clearing.
3. Reconstruct of 1.0m wide existing open drain to 1.0m wide reinforced concrete covered drain including excavation, backfilling and bakau piling
4. Reconstruct of 1.2m wide existing open drain to 1.2m wide reinforced concrete covered drain including excavation, backfilling and bakau piling
5. Rectification of 1.0m wide reinforced concrete house entrance crossover including excavation, backfilling, reinstatement works and bakau piling
6. Rectification of 1.2m wide reinforced concrete house entrance crossover including excavation, backfilling, reinstatement works and bakau piling
7. Rectification of existing concrete slab with 0.10m thick reinforced concrete including scraping or hacking to existing damaged surface
8. Construction of 1.2m wide reinforced concrete box culvert including excavation, backfilling, reinstatement works and bakau piling
9. Construction of 1.2mx1.2m wide reinforced concrete sump including excavation, backfilling and bakau piling
10. Supply and install of 0.15m x 0.30m precast medium duty reinforced concrete inlet sump
11. Supply and install 0.6m x 0.6m wide reinforced concrete manhole covers

**Section 1 – General (Cont'd)**

**(b) Clause 1.2 - Scope of Works (Cont'd)**

12. Supply and install 0.6m x 0.6m wide medium duty reinforced concrete manhole covers
13. Supply and install 1.32mx1.32m Galvanized Iron Grating manhole covers
14. Shifting and relocation of all water meters and distribution pipe affected by construction works.
15. Supply and maintenance traffic safety devices in accordance to Arahan Teknik (Jalan) 2C/85 "Manual on Traffic Control Devices, Temporary Signs and Work Zones Control" for date of commences until date of completion.

**(c) Clause 1.4**

The Contractor shall submit the Work Programme to the Superintending Officer for approval in accordance with Clause 14 DBKU Form of Contract.

**(d) Clause 1.6 to Clause 1.10**

The word "Government" shall mean "the Employer" under this contract.

**(e) Clause 1.15 to Clause 1.17**

The above clauses are not applicable under this project.

**(f) Clause 1.18**

The Contractor may appoint a qualified private soil laboratory instead of maintaining a laboratory on site.

**(g) Clause 1.9**

The above clauses are not applicable under this project.

**(h) Clause 1.20 sub-clause 1.20.1**

The premix surface which required cutting shall be cut by using diamond bit cutter.

**(i) Clause 1.23 to Clause 1.25**

The above clauses are not applicable under this project.

**Section 3 - Drainage Works**

The followings are amendments/supplements to clauses contained in the Standard Specification of Road Works (JKR/SPJ/1988).

**(a) Clause 3.2.1**

Excavation and backfilling for pipe culverts is not relevant in this contract.

**Section 3 - Drainage Works (Cont'd)**

**(b) Clause 3.2.2.2**

Granular bedding material is described as hardcore.

**(c) Clause 3.2.2.3**

Concrete bedding is described as lean concrete.

**(d) Clause 3.3 to Clause 3.4**

Under this contract, this clause is not relevant

**(e) Clause 3.5.2.1**

The stone used for this contract to be granite.

**(f) Clause 3.6 to Clause 3.12**

These clauses are not relevant.

**Section 9 - Concrete**

The followings are amendments/supplements to clauses contained in the Standard Specification of Road Works (JKR/SPJ/1988).

**(a) Clause 9.2.1**

The cement to be used throughout the work shall be of Ordinary Portland Cement.

**(b) Clause 9.3**

The concrete used in this contract shall be prescribed mix.

**(c) Clause 9.3.3.2**

The grade of concrete used in this contract shall be 25. No setting up of batching plant on site is allowed.

**(d) Clause 9.3.2**

Under this contract, the above clause is not relevant.

**(e) Clause 9.4.2**

The above clause is not applicable under this contract.

**(f) Clause 9.8.2.1**

The expose surface shall be with F2 finishes and the covered surface shall be of F1 finishes.

## **SECTION G**

# **TRAFFIC SAFETY CODE FOR TEMPORARY ROAD WORKS**

**TRAFFIC SAFETY CODE FOR TEMPORARY ROAD WORKS**

**1. GENERAL**

All temporary Road Works such as road and drain construction within the road reserve must have proper traffic safety devices in accordance to Arahan Teknik (Jalan) 2C/85 "Manual on Traffic Control Devices, Temporary Signs and Work Zones Control" issued by Cawangan Jalan, Ibu Pejabat JKR, Kuala Lumpur.

The lengths of all excavations and temporary obstructions must be kept to a minimum; this applies to intermittent obstructions as well as to continuous ones. Wherever practicable, excavation trenches must be filled in and the carriageway opened to traffic as work progresses.

For this particular area, the typical traffic safety arrangement is given in Fig. 5-13, Temporary works in City Area on 2-lane roadway. But all other relevant parts of Arahan Teknik (Jalan) 2C/85 must also be followed.

**2. MARKING BY DAY AND NIGHT**

Obstructions and excavations must be marked

- (i) By day, by one (1) or more posts carrying red flags, red and white plastic bunting, boards with a red background, or similar conspicuous markings.
- (ii) By night, by two (2) or more lamps continuously lit and showing a red light together with automatic flashing beacons.

All such posts, markers, lamps or beacons should be placed so as to indicate to vehicle drivers and pedestrians from any direction the position and full extent of the obstruction.

Excavations must be fenced round with posts, rails, ropes or other devices to prevent road users, especially pedestrians and cyclists, from falling into them. A bank of earth or the like, not less than 0.9m in height, may be regarded as a fence for this purpose. The area so fenced should be kept to a minimum consistent with the safety of road users and workmen, and, having regarded to the nature of the work being carried out, may be reduced when work is temporarily suspended. Where a footpath is substantially obstruction, the fencing must provide a passage on the carriageway for pedestrians, protected from passing vehicles.

Excavations or obstructions more than 1.2m measured at right angles to any line of traffic must be marked with a horizontal pole or horizontal board approximately 150mm wide, extending the full width of the obstruction and painted with red and white stripes between 300mm and 600mm wide.

At night, the full width and length of the obstruction must be clearly indicated by lamps continuously lit and showing a red light. If any obstruction or excavation exceeds 1.2m in width measured at right angles to any line of traffic, automatic flashing beacons must be placed at the limits nearest the lines of diverted traffic.

In addition, automatic flashing beacons showing the full length of the obstruction must be placed at intervals of not more than 15m and at least one flashing beacon must be visible to approaching vehicles indicating the start of the obstruction.

2. **MARKING BY DAY AND NIGHT (Cont'd)**

Where a driver has to change direction to avoid an obstruction an oblique line of lamps must be provided. Where the required change of direction is appreciable, an illuminated or reflectorised sign or arrow should also be provided.

It will often be an advantage to have red reflectors on barriers protecting obstruction, but such reflectors must be in addition to, not in substitution for, red warning lamps.

Care must be taken to ensure that any lights are not misleading to water or air traffic. In any case of doubt, the river or airfield authority should be consulted.

The term "night" in this Code is intended to cover a period not less than the official hours or darkness during which lights are required to be shown on moving vehicles.

3. **AUTHORIZED ADVANCE WARNING, DIVERSION AND WARNING SIGNS**

The number type and arrangement of all temporary warnings and direction signs shall be as approved by the Engineer.

4. **ILLUMINATION OF SIGNS**

Advance warning and warning signs must be clearly visible to approaching drivers by night as well as by day. On roads where headlamps are normally used, this can be achieved by the use of reflectors of reflecting material, but where headlamps are not normally used, the signs must be provided with their own lamps, screened from the direct view of approaching drivers. It will not normally be sufficient to rely on street lighting.

5. **ADVANCE WARNING SIGNS**

When an excavation or obstruction is not clearly visible for a distance of at least 50 metres from any direction and at all other irrespective of visibility, an appropriate advance warning signs or signs must be placed on the nearside of the road. In one (1) way streets, on sharp left-hand bends, or on dual carriageway a similar sign must also be placed on the off-side of the road, or on the central reservation. Wherever possible, advance warning signs must be placed on the kerb or verge, and not on the carriageway.

The signs must be at least 50 metres in advance of the obstruction.

Where there is an entering or intersecting road between the obstruction and the advance warning signs, signs must also be placed on the side road not less than 10 metres from the junction.

The distances given in the two (2) preceding paragraphs are to be regarded as minimum. Greater distances of, say, half as much again will normally be appropriate.

6. **WARNING SIGNS AT THE OBSTRUCTION**

The signs must give a clear warning of the danger and should be so located that they are not masked by obstructions in the vicinity. Care must be taken that they are not easily blown or knocked over.

7. **MOVING OF SIGNS**

The Contractor shall ensure that advance warning and other warning signs relating to obstruction are moved as work progress or removed when they are no longer applicable. Where suspension of work at weekends or at night renders signs inapplicable they shall be covered during the period of operation.



8. **MODIFICATION OF EXISTING PERMANENT TRAFFIC SIGNS**

Where a road obstruction or temporary one-way working resulting from it makes it impossible for a driver to comply with a permanent traffic sign (e.g. IKUT KIRI sign), the sign shall be covered, subject to consent by the Highway Authority and the police and after approval by them of any alternative measures which may be necessary.

Similarly, the Contractor shall notify bus services operators of any bus stops which will become unusable during the course of the works to be undertaken.

9. **TEMPORARY TRAFFIC AND WARNING SIGNS, AND LAMPS**

The Contractor shall provide the following Temporary Traffic and Warning Signs and Lamps:

<b>Item</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>
1.	<b><u>TEMPORARY ROAD FURNITURE</u></b>		
(a)	<b>Water – filled HDPE Road Barrier</b>  Provide water – filled HDPE Road Barrier as shown on the Drawings and/or as directed by the Superintending Officer. and as specified including installing in the first position as shown on the drawings and storage, maintenance and replacement during construction period and removal on completion of the road works.	20	Nos
(b)	<b>Warning Lamp (Blinker)</b>  Provide warning lamp/blinkers with batteries as shown on the Drawings and/ or as directed by the Superintending Officer and as specified including installing in the first position as shown on the drawings and storage, maintenance and replacement during construction period including removal from site at the end of each stage and at the completion of the road works.	5	Nos
2.	<b><u>TEMPORARY SIGNS</u></b>  (in accordance to JKR Arahan Teknik (Jalan) 2C/85: Manual on Traffic Control Devices Temporary Signs and Work Zones Control)  Provide and install in position all temporary traffic signs of fluorescent orange prismatic retro-reflective sheeting including all posts brackets, painting and everything complete as shown on the Drawings and/ or as directed by the Superintending Officer including removal from site at the end of each stage and at the completion of the road works.		
(a)	Danger signs in construction area, T12	6	Nos
(b)	Road works signs, T1	4	Nos
(c)	AWAS signs, T4	4	Nos
(d)	Movable traffic guidance cone, T19	20	Nos

**SECTION I**  
**SUMMARY OF TENDER**

**SUMMARY OF TENDER**

**Title : MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN) JALAN GAN SWEE CHOO, KUCHING.**

**Tender No. : DBKU/CQS/P/25/17**

**PREAMBLES**

The prices set down by the tenderer shall deemed to include the cost of all preliminaries, all plants, equipment, labour, materials, transport, supervision, erection, insurance, overhead, attendance, profit and everything necessary for the supply and completion of each item in conformity with every aspect of the condition of contract, Specification and drawings.

Should there be any arithmetical error within the Summary of **Tender**, the sums and prices against the items shall be adjusted by negotiation prior to the award of the **tender**, such that the sum entered on the Form of **Tender** remains unchanged.

DBKU shall also be entitled to negotiate adjustments of the individual sums and tendered rates without changing the total **Tender** Price, prior to the award of the **tender**.

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>AMOUNT (RM)</b>
1.0	Preliminaries and General	.....
2.0	Earthworks including demolition of existing concrete structures, cart away surplus materials, backfilling, leveling, site clearing, and close turfing as per specifications and drawings.	.....
3.0	Reconstruct of 1.0m wide existing open drain to 1.0m wide reinforced concrete covered drain including excavation, backfilling and bakau piling as per specification and drawings	.....
4.0	Reconstruct of 1.2m wide existing open drain to 1.2m wide reinforced concrete covered drain including excavation, backfilling and bakau piling as per specification and drawings	.....
5.0	Rectification of 1.0m wide reinforced concrete house entrance crossover including excavation, backfilling, reinstatement works and bakau piling as per specification and drawings	.....
6.0	Rectification of 1.2m wide reinforced concrete house entrance crossover including excavation, backfilling, reinstatement works and bakau piling as per specification and drawings	.....
7.0	Rectification of existing concrete slab with 0.10m thick reinforced concrete including scraping or hacking to existing damaged surface as per specification and drawings.	.....

**SUMMARY OF TENDER (Cont'd)**

**Title : MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN) JALAN GAN SWEE CHOO, KUCHING.**

**Tender No. : DBKU/CQS/P/25/17**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>AMOUNT (RM)</b>
8.0	Construction of 1.2m wide reinforced concrete box culvert including excavation, backfilling, reinstatement works and bakau piling as per specification and drawings.	.....
9.0	Construction of 1.2m x 1.2m wide reinforced concrete sump including excavation, backfilling and bakau piling as per specification and drawings.	.....
10.0	Supply and install of 0.15m x 0.30m precast medium duty reinforced concrete inlet sump as per detail Drawings and Specifications	.....
11.0	Supply and install 0.6m x 0.6m wide reinforced concrete manhole covers as per drawing and specifications	.....
12.0	Supply and install 0.6m x 0.6m wide medium duty reinforced concrete manhole covers as per drawing and specifications	.....
13.0	Supply and install 1.32m x 1.32m Galvanized Iron Grating manhole covers as per drawing and specifications.	.....
14.0	Shifting and relocation of all water meters and distribution pipe affected by construction works.	.....
15.0	Supply and maintenance traffic safety devices in accordance to Arahan Teknik (Jalan) 2C/85 "Manual on Traffic Control Devices, Temporary Signs and Work Zones Control" for date of commences until date of completion.	.....

**SUMMARY OF TENDER (Cont'd)**

**Title** : **MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN) JALAN GAN SWEE CHOO, KUCHING.**

**Tender No.** : **DBKU/CQS/P/25/17**

ITEM	DESCRIPTION	AMOUNT (RM)
16.0	Provisional Sum  The following sums to be expended at the discretion and under the direction of the Superintending Officer and/or Employer and may be deducted wholly or in part if not required.  (a) Allow sum for SESCO, TELEKOM, and KWB services relocation. (b) Contingencies	     RM 10,000.00  RM 5,000.00
	<b>Total Carried Forward to Form of Tender (Page B/1)</b>	.....

I/We undertake to complete the above project in **Four (4) months**.

Signature : .....

Name Of Signatory : .....  
And Stamp

I.C. No. : .....

Address : .....

: .....

: .....

Tel No. : ..... Fax No.: .....

Date : .....

**SECTION I**  
**SCHEDULE OF RATES**

**SCHEDULE OF RATES**

**Title : MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN)  
JALAN GAN SWEE CHOO, KUCHING.**

**Tender No. : DBKU/CQS/P/25/17**

**PREAMBLE**

This is a Lump Sum Contract. This Schedule of Rates shall only be used for ascertainment of prices for variations.

Unless otherwise stated, the rates so set in by the tenderer shall deemed to include the cost of all preliminaries, all plants, equipment, labour, materials, transport, supervision, erection, insurance, overhead, attendance, profit and everything necessary for the completion and maintenance of each item of work in conformity with every aspect of the condition of contract, specification and drawings. All rates in this schedule shall be filled in and submitted together with the tender. All rates and prices shall be in Malaysian Ringgit.

The rates so set in shall be subjected to agreement with the Supervising Officer to ensure that they are reasonable and such agreement shall form part of the Contract. The rates entered in this Schedule shall provide for compliance with all the provision of the conditions of contract, Specification and drawings.

The Contractor is advised not to insert absurd and unrealistic rates. When called upon to prove and substantiate his rates, it shall be the duty of the Contractor to do so, failing which he will be considered not to have submitted a bona-fide tender. All rates entered by the Contractor will be scrutinized before acceptance of tender.

No.	Descriptions	Unit	Rates (RM)
1.0	Reconstruct of 1.0m wide existing open drain to 1.0m wide reinforced concrete covered drain including excavation, backfilling and bakau piling as per specification and drawings.	M	.....
2.0	Reconstruct of 1.2m wide existing open drain to 1.2m wide reinforced concrete covered drain including excavation, backfilling and bakau piling as per specification and drawings.	M	.....
3.0	Rectification of 1.0m wide reinforced concrete house entrance crossover including excavation, backfilling, reinstatement works and bakau piling as per specification and drawings.	M	.....
4.0	Rectification of 1.2m wide reinforced concrete house entrance crossover including excavation, backfilling, reinstatement works and bakau piling as per specification and drawings	M	.....

**SCHEDULE OF RATES ( Cont'd)**

**Title** : **MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN) DI LORONG SIMPOR 3, KUCHING.**

**Tender No.** : **DBKU/CQS/P/25/17**

No.	Descriptions	Unit	Rates (RM)
5.0	Rectification of existing concrete slab with 0.10m thick reinforced concrete including scraping or hacking to existing damaged surface as per specification and drawings.	M <sup>2</sup>	.....
6.0	Construction of 1.2m wide reinforced concrete box culvert including excavation, backfilling, reinstatement works and bakau piling as per specification and drawings.	M	.....
7.0	Construction of 1.2 x 1.2m wide reinforced concrete sump including excavation, backfilling and bakau piling as per specification and drawings.	No	.....
8.0	Supply and install of 0.15m x 0.30m precast medium duty reinforced concrete inlet sump as per detail Drawings and Specifications	No	.....
9.0	Supply and install 0.6m x 0.6m wide reinforced concrete manhole covers as per drawing and specifications	No	.....
10.0	Supply and install 0.6m x 0.6m wide medium duty reinforced concrete manhole covers as per drawing and specifications	No	.....
11.0	Supply and install 1.32m x 1.32m Galvanized Iron Grating manhole covers as per drawing and specifications.	No	.....
12.0	Shifting and relocation of all water meters and distribution pipe affected by construction works.	No	.....



**SCHEDULE OF RATES ( Cont'd)**

**Title : MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN) DI LORONG SIMPOR 3, KUCHING.**

**Tender No. : DBKU/CQS/P/25/17**

Signature : .....

Name Of Signatory : .....  
And Stamp

I.C. No. : .....

Address : .....

: .....

: .....

Tel No. : ..... Fax No.: .....

Date : .....

**SECTION J**  
**LIST OF DRAWINGS**

**Title : MENGGANTI SALIRAN (MEMBAIKI PARIT DI TEPIAN JALAN)  
JALAN GAN SWEE CHOO, KUCHING**

**Tender No. : DBKU/CQS/P/ 25 /17**

The following Drawings shall form part of the Contract:-

No. Kerja	Tajuk Lukisan	No. Lukisan
DBKU/IMT/L/17-07	Site and Locality Plan	1/14
DBKU/IMT/L/17-07	Details of R.C Covered Drain	2/14
DBKU/IMT/L/17-07	Details of R.C Covered Drain	3/14
DBKU/IMT/L/17-07	Details of R.C Covered Drain	4/14
DBKU/IMT/L/17-07	Details of R.C Covered Drain	5/14
DBKU/IMT/L/17-07	Details of R.C House Entrance Crossover	6/14
DBKU/IMT/L/17-07	Details of R.C Sump	7/14
DBKU/IMT/L/17-07	Installation and Cross Section Details	8/14
DBKU/IMT/L/17-07	Details of New Precast R.C Manhole Cover	9/14
DBKU/IMT/L/17-07	Details of Medium Duty Precast R.C Manhole Cover	10/14
DBKU/IMT/L/17-07	Details of Precast R.C Inlet Sump	11/14
DBKU/IMT/L/17-07	Details of Longitudinal Section	12/14
DBKU/IMT/L/17-07	Details of Work Zone Control	13/14
DBKU/IMT/L/17-07	Standard Temporary Signs	14/14