



**Ranhill  
SAJ**

## **SPECIFICATION FOR MILD STEEL PIPE**

**SPECIFICATION SAJ PS / MS / 001  
(Rev.6.0 / 01.2019)**

QUALITY ASSURANCE DEPARTMENT  
RANHILL SAJ SDN. BHD.

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**SAJ SPECIFICATIONS FOR MILD STEEL PIPE**

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**SAJ SPECIFICATION FOR MILD STEEL PIPES**

**1.0 General**

- 1.1 The specification is applicable to Mild Steel pipes for water supply systems and shall conform to SPAN TS 21827: Part 1: 2013 – Technical Delivery Requirements and SPAN TS 21827: Part 2: 2013 – Tube Requirements.
- 1.2 These specifications will provide necessary information on the product dimension and requirements for the supply of pipes.
- 1.3 For flange, refer to BS 4504 Section 3.1 1989 PN 16.

**2.0 Material**

- 2.1 The pipes shall be manufactured from tubes manufactured in accordance with SPAN TS 21827: Part 2 and shall be protected against corrosion as specified in Clause 13.
- 2.2 The requirements and test method for tubes are specified in SPAN TS 21827: Part 2. All tubes shall be manufactured and supplied with full compliance to SPAN TS 21827: Part 2.
- 2.3 Whenever the tube is purchased from the external supplier, the tube shall be from a certified supplier complying with SPAN TS 21827: Part 2.

**3.0 Process of Manufacture**

- 3.1 The tube shall be manufactured from one of the steel specified in Table 1 by one of the following processes.
  - i. Seamless (S)
  - ii. Butt welded (BW)
  - iii. Electric welded (EW)
  - iv. Submerged Arc Weld (SAW)

**Table 1:** Chemical composition limits of the cast analysis

Steel grade		C %	Si %	Mn %	P %	S %
Steel name	Steel number	max	max	max	max	max
L235	0252	0.16	0.35	1.20	0.030	0.025
L275	0260	0.20	0.40	1.40	0.030	0.025
L355	0419	0.22	0.55	1.60	0.030	0.025

<sup>a</sup> For steel L355 addition of niobium, titanium and vanadium are permitted at the discretion of the manufacturer. In this case the inspection documents shall state the level of these elements.

Elements not included in Table 1 may be present but shall not be intentionally added to the steel without the agreement of the purchaser, except for elements which may be added for finishing the cast. All appropriate measures shall be taken by the steelmaker to prevent the addition of undesirable elements from scrap or other materials used in steelmaking process.

- 3.2 The welds of butt welded tube shall be longitudinal, the welds of electric welded and submerged arc welded tubes shall be either longitudinal or helical.
- 3.3 The tubes shall be supplied as welded, cold formed or cold finished at the discretion of the manufacturer.

- 3.4 The delivered tubes shall not include welds used for joining together lengths of the hot or cold rolled strip prior to forming except as specified in 3.5.
- 3.5 For helical welded submerged arc welded tubes the weld joining lengths of strip may be part of the delivered tube provided that the weld is made by the same method of welding as the helical seam weld.

#### 4.0 Thicknesses and Diameter

- 4.1 Thickness of steel pipe shells shall be as tabulated in Table 2 by according to SPAN TS 21827: Part 2.

**Table 2: Thickness of Steel Pipe Shell and Internal Diameter**

<b>Nominal Diameter, DN, (mm)</b>	<b>Outside Diameter, OD (mm)</b>	<b>Nominal Pipe Thickness, (mm)</b>
80	88.9	3.2
100	114.3	3.6
125	139.7	3.6
150	168.3	3.6
200	219.1	4.0
250	273.0	4.0
300	323.9	4.0
350	355.6	4.5
400	406.4	4.5
450	457.0	5.0
500	508.0	5.0
600	610.0	6.3
650	660.0	6.3
700	711.0	6.3
750	762.0	6.3
800	813.0	7.1
850	864.0	7.1
900	914.0	8.0
1000	1016.0	8.0
1200	1219.0	10.0
1400	1422.0	10.0
1600	1626.0	11.0
1800	1829.0	12.5
2000	2032.0	14.2
2200	2235.0	16.0
2300	2337.0	16.0
2400	2438.0	16.0
2500	2540.0	17.5
2600	2642.0	17.5
2700	2743.0	17.5

- 4.2 Seamless tube (S) – The tube outside diameter shall not exceed  $\pm 1\%$  of the diameter with a minimum of  $\pm 0.5\text{mm}$ . For the tolerance of wall thickness, the value shall not exceed the values given in Table 3 below.

**Table 3:** Tolerance on thickness for seamless tube

Outside diameter mm	Tolerance on thickness for T/D ratio (%)			
	$\leq 2.5$	$> 2.5$ $\leq 5.0$	$> 5.0$ $\leq 10.0$	$> 10.0$
$\leq 219.1$	$\pm 12.5\%$ or $\pm 0.4\text{mm}$ whichever is the greater			
$> 219.1$	$\pm 20\%$	$\pm 15\%$	$\pm 12.5\%$	$\pm 10\%$

- 4.3 Electric welded (EW) and butt welded (BW) tube – The tolerance on outside diameter shall not exceed the values given in Table 4 below.

**Table 4:** Tolerance on the outside diameter for EW and BW tubes

Outside diameter (mm)	Tolerance
$\leq 219.1$	$\pm 1\%$ of diameter with a minimum of $\pm 0.5\text{mm}$
$> 219.1$	$\pm 0.75\%$ of diameter

The tolerances on thickness including the weld area shall not exceed  $+10\%$ ,  $-0\%$ . The minimum thickness in the area of the weld shall be not less than that permitted for the body of the tube. The external weld bead of electric welded tube shall be removed by trimming and that of butt welded tube shall be rolled flush. The height of the internal weld bead shall not exceed  $1.5\text{mm}$ .

- 4.4 Submerged arc welded (SAW) – The tolerance of outside diameter shall not exceed  $\pm 0.75\%$  of diameter with a maximum of  $\pm 6\text{mm}$  for diameters up to and including  $2032\text{mm}$ . For tube diameter greater than  $2032\text{mm}$  the tolerance shall be agreed between the purchaser and the manufacturer. The tolerance on thickness excluding the weld bead shall not exceed  $+7.5\%$ ,  $-0\%$ . The height of the internal and external weld bead shall not be greater than the values given in Table 5.

**Table 5:** Maximum height of weld bead for submerged arc welded tubes

Thickness mm	Maximum bead height mm
$\leq 12.5$	3.5
$> 12.5$	4.5

## 5.0 Length

5.1 Standard length for straight pipes are as shown in Table 6 below.

**Table 6:** Straight pipes length

Nominal Diameters (DN)	Length of pipe (m)
450mm and above	9
450mm and below	6

5.2 The maximum variation in length from the standard length shall be kept to the minimum possible within the normal method of manufacture.

5.3 The lengths supplied shall not deviate from the specified length by more than  $\pm 500$ mm.

5.4 The lengths supplied shall not deviate from the specified length by more than the values given in Table 7 below.

**Table 7:** Tolerance on length

Length, L (mm)	Tolerance of length	
	Tube outside diameter	
	<406.4 mm	$\geq 406.4$ mm
2000 < L $\leq$ 6000	+15, -0 mm	+25, -0 mm
6000 < L $\leq$ 12000	+30, -0 mm	+50, -0 mm
L > 12000	+ by agreement, -0 mm	

## 6.0 Priming

6.1 Before the application of bitumen or coal tar external protection, tubes and fittings shall be primed with a compatible priming coat.

6.2 Materials and methods complying with BS EN 10300 or BS 4164 shall be used as appropriate.

## 7.0 Bitumen Sheathing

7.1 The materials shall consists of natural or blown petroleum bitumen mixed with an inert filler i.e. type 2 or type 3 in accordance to BS EN 10300.

7.2 The tubes and fittings shall be covered with a layer of sheathing material, applied as a hot coating or mastic to provide seamless, consolidated and smooth layer having a minimum thickness as given in Table 8.

**Table 8:** Thickness of bitumen shearing material.

Pipe outside diameter (mm)	Minimum thickness (mm)
88.9 – 168.9	3
193.7 – 323.9	4.5
355.6 - 2743	6

## 8.0 Reinforced Bitumen Sheating

- 8.1 Reinforced sheating shall be bitumen complying with clause 7.0 with the addition of an overlapping spiral wrapping of woven glass cloth firmly embedded in to the sheating.

## 9.0 Bitumen Enamel Wrapping (filled bitumen with glass tissue)

- 9.1 The tubes shall be covered with a layer of bitumen containing a mineral filler applied hot i.e. type 2 in accordance with BS EN 10300, and inner wrapping of glass tissue and outer wrapping of bitumen impregnated reinforced glass tissue, the inner wrapping being embedded in the bitumen.
- 9.2 For tubes, the glass tissue wrappings shall be wound spirally with an overlap. For fittings, the glass tissue wrapping shall be wound spirally or circumferentially with an overlap. There shall be not less than 1mm of enamel between the tube surface and the inner wrapping and also between the inner and outer wrapping. The protection shall have a minimum thickness of 3mm.

## 10.0 Reinforced Bitumen Enamel Wrapping

- 10.0 Reinforced wrapping shall be bitumen enamel wrapping complying with clause 9.0. except that the outer wrapping shall be of composite glass fibre fabric.

## 11.0 Concrete Lining

- 11.1 The lining shall be concrete made from Portland Cement complying with MS EN 197-1 and fine aggregates complying with MS EN 12620. The minimum cement content shall be 330 kg/m<sup>3</sup> and the maximum water cement ratio shall not exceed 0.46:1.
- 11.2 The concrete lining in contact with potable water shall not discolour the water, impart any objectionable taste or odour or release any toxic substances into the water or support any microbial growth.
- 11.3 The concrete shall give, upon testing, the compressive strength and density specified in 9.8.
- 11.4 The tube shall be charged in a single operation and spun at suitable speed to achieve a minimum rate of radial acceleration of 250 m/s<sup>2</sup> until the uniform thickness of concrete lining given in the Table 9 below has been attained over the whole of the inner surface with the exception of stop backs for jointing.

**Table 9:** Concrete lining thickness and tolerances

Outside diameter of tubes or special (mm)	*Minimum thickness of concrete (mm)	Tolerance (mm)
Up to and including 168.3	6	+3, -0
193.7 – 323.9	10	+3, -0
355.6 – 610	13	+3, -0
660 – 1219	19	+6, -0
1422 - 2743	25	+6, -0

\* Thicker linings may be specified

- 11.5 After being lined, the fresh lining shall be marked with the date of lining and the pipe shall be stored undisturbed for the lining to be cured for at least 7 days. Means shall be employed to prevent the lining from drying too rapidly, particularly during the 48 hours period after the lining operation. The lining shall be kept damp by spraying with water or by other means, e.g. by closing the pipe with end caps until curing is complete.

- 11.6 The finish surface of the lining shall be smooth and free from irregularities.
- 11.7 The pipes may be dispatched at any time after 7 days curing period provided the cube strength of the test cube after 7 days of curing has achieved the required strength as specified in 10.8.
- 11.8 The test cubes of the same material as used for the pipe lining shall be made in 100mm or 150mm cube moulds and subjected to cube crushing test. The cube strength of the test cube shall be not less than  $17\text{N/mm}^2$  after 7 days curing period and  $31\text{N/mm}^2$  after 28 days curing period. The density of the test cube shall be not less than  $2300\text{ kg/m}^3$  in the case of concrete and  $2100\text{ kg/m}^3$  in the case of cement mortar.

## 12.0 Cement Mortar Lining

- 12.1 The lining shall be concrete made from Portland Cement complying with MS EN 197-1 and fine aggregates complying with MS EN 12620.
- 12.2 The cement mortar shall have a minimum cement content of  $1000\text{ kg/m}^3$  and a water cement ratio of between 0.30:1 and 0.45:1 by mass.
- 12.3 The cement mortar shall be carried out by one of the following methods.
- Centrifugally spraying and subsequent rotation to achieve smoothing.
  - Centrifugally spraying and simultaneously smoothing by troweling.
- 12.4 The spray operation shall be such that a continuous feed or freshly mixed mortar shall be evenly applied to the whole bore of the tube in a single pass in one continuous operation. Where smoothing by rotating is utilized, the duration and speed of rotation shall be kept to a minimum to prevent separation of the constituents of the mortar.
- 12.5 The surface of lining shall be smooth and free from irregularities.
- 12.6 Cracks over 0.25 mm in width in saturated linings, cracks over 300 mm in length or other defective linings shall be made good using compatible materials.
- 12.7 The minimum thickness of cement mortar lining is shown in Table 10 below.

**Table 10:** Thickness of cement mortar lining

Outside diameter of tubes or special (mm)	*Minimum thickness of concrete (mm)	Tolerance (mm)
Up to and including 323.9	6	+2, -0
355.6 – 610	7	+2, -0
660 – 1219	9	+2, -0
1422 - 2743	12	+3, -0

\* Thicker linings may be specified



### 13.0 Fittings

- 13.1 The steel from which the fittings are made shall be in accordance with 6.1 and 6.2 of SPAN TS 21827: Part 2.
- 13.2 Fittings shall be manufactured from tubes manufactured in accordance with SPAN TS 21827: Part 2 or from plate or strip made from one of the steel grade specified in Table 1 above.
- 13.3 All welds of fittings made from plate or strip and all fabrication welds shall be arc welds and the preparation for welding and the welding shall be carried out to qualified procedures using competent welders. Procedures in accordance with BS EN ISO 15607, BS EN ISO 15609-1 and BS EN ISO 15614-1 carried out by welders qualified in accordance with EN 287-1 meet this requirement.
- 13.4 The NDT activities for fittings shall be in accordance with 6.3.3 of SPAN TS 21827: Part 2.

### 14.0 Mechanical testing

The mechanical testing of tubes shall be carried out in accordance to SPAN TS 21827: Part 2 as listed in Table 11 below.

**Table 11:** Testing of tubes

Type of test	Seamless tube	Electric welded tube	Submerged arc welded tube	Butt welded tube
Cast analysis	1 per cast	1 per cast	1 per cast	1 per cast
Tensile test	1 per test unit	1 per test unit	1 per test unit	1 per test unit
Flattening test <sup>a</sup>	1 per test unit	1 per test unit	-	1 per test unit
Drift expanding test <sup>a</sup>	-	1 per test unit	-	1 per test unit
Weld bend test	-	-	2 per test unit	-
Leak tightness test	All hydrostatic or electro-magnetic	All hydrostatic or electro-magnetic	All hydrostatic	All hydrostatic or electro-magnetic
Visual examination	See 10.5	See 10.5	See 10.5	See 10.5
Dimensional inspection	See 10.6	See 10.6	See 10.6	See 10.6
Non-destructive test of weld	-	All	See 10.4.3.1 & 10.4.3.2	All
Product analysis (optional)	One per grade of steel			
<sup>a</sup> The drift expanding test is an alternative for electric welded and butt welded tubes of outside diameter equal to or less than 150mm and thickness less than 10mm.				

### 15.0 Appearance

- 15.1 Fittings shall be free from external and internal surface defects which can be established by visual inspection in accordance with SPAN Technical Specification.
- 15.2 The outside surface condition, and where practicable, the inside surface condition shall be such that surface defects, and/or surface imperfections requiring rectification, can be identified.
- 15.3 It shall be permissible to rectify surface imperfections by grinding or machining provided that after so doing the wall thickness in the rectified area is not less than the specified minimum thickness.

- 15.4 Surface imperfections which exceed the minimum permissible wall thickness shall be considered defects and shall not be permitted.

## **16.0 Test Certificates**

- 16.1 Certificates in duplicate shall be provided by the Contractor for each complete pipe and special supplied giving the process of manufacture and the results of the specified tests.
- 16.2 Similar certificates in duplicate shall provided by the contractor in respect of materials to be used in the manufacture of the pipes giving the process of manufacture, chemical analysis (where relevant) and the results of the specified tests.
- 16.3 The material shall be suitably marked to enable it to be identified from references on the certificates.

## **17.0 Packing**

All pipe ends shall be packed and covered accordingly with suitable methods and material as to protect against damage.

## **18.0 Marking**

- 18.1 All pipe supplied shall have the following marking on the outside of pipe:

18.1.1	Manufacturer's name or identification mark
18.1.2	The number of SPAN Technical Specification
18.1.3	Nominal / Outside diameter (in milimeter)
18.1.4	Length of the pipe (in meter)
18.1.5	'SAJ' Lettering
18.1.6	Pipe series / batch number

## **19.0 Pre – Delivery Inspection and Evaluation**

- a) It is the responsibility of the tenderer to inform SAJ for inspection purposes during manufacturing and before delivery.
- b) SAJ reserve the right to inspect and witness the testing of product offered.
- c) At any time, when requested, the supplier is to provide SAJ a sample of the product offered for evaluation purposes. All costs shall be borne by the supplier.
- d) If at any time the supplier fails to deliver the required sample, the product is deemed fail to meet the specifications.

**20.0 Certification**

- a) Manufacturer of supplier are required to provide a copy of the certificate and testing report from SIRIM, IKRAM or other recognised certification body.
- b) Tests report required shall be those tests conducted within a year period.
- c) SAJ have the right to refuse offer or reject supply if the documents required are not enclosed.

# **SCHEDULE OF STORES**

Ranhill SAJ Sdn. Bhd. (A)  
**Schedule of Stores for Supply and Delivery of Wrapped Mild Steel Pipes  
 (spigot and Socket)  
 To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)**

No	Outside Diameter (mm)	Nominal Diameter (mm)	Provisional Quantity	Rate (RM)	Amount (RM)
1	88.9	80			
2	114.3	100			
3	139.7	125			
4	168.3	150			
5	219.1	200			
6	273.0	250			
7	323.9	300			
8	355.6	350			
9	406.4	400			
10	457.0	450			
11	508.0	500			
12	610.0	600			
13	660.0	650			
14	711.0	700			
15	762.0	750			
16	813.0	800			
17	864.0	850			
18	914.0	900			
19	1016.0	1000			
20	1219.0	1200			
21	1422.0	1400			
22	1626.0	1600			
23	1829.0	1800			
24	2032.0	2000			
25	2235.0	2200			
26	2337.0	2300			
27	2438.0	2400			
28	2540.0	2500			
29	2642.0	2600			
30	2743.0	2700			
	<b>TOTAL</b>	<b>TENDERED</b>			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Adress:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (A)  
**Schedule of Stores for Supply and Delivery of Wrapped Mild Steel Pipes  
 (Plain Ended)  
 To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)**

No	Outside Diameter (mm)	Nominal Diameter (mm)	Provisional Quantity	Rate (RM)	Amount (RM)
1	88.9	80			
2	114.3	100			
3	139.7	125			
4	168.3	150			
5	219.1	200			
6	273.0	250			
7	323.9	300			
8	355.6	350			
9	406.4	400			
10	457.0	450			
11	508.0	500			
12	610.0	600			
13	660.0	650			
14	711.0	700			
15	762.0	750			
16	813.0	800			
17	864.0	850			
18	914.0	900			
19	1016.0	1000			
20	1219.0	1200			
21	1422.0	1400			
22	1626.0	1600			
23	1829.0	1800			
24	2032.0	2000			
25	2235.0	2200			
26	2337.0	2300			
27	2438.0	2400			
28	2540.0	2500			
29	2642.0	2600			
30	2743.0	2700			
	<b>TOTAL</b>	<b>TENDERED</b>			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (C)  
**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes  
 To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)**

No	Outside Diameter (mm)	Nominal Diameter (mm)	Provisional Quantity	Rate (RM)	Amount (RM)
1	88.9	80			
2	114.3	100			
3	139.7	125			
4	168.3	150			
5	219.1	200			
6	273.0	250			
7	323.9	300			
8	355.6	350			
9	406.4	400			
10	457.0	450			
11	508.0	500			
12	610.0	600			
13	660.0	650			
14	711.0	700			
15	762.0	750			
16	813.0	800			
17	864.0	850			
18	914.0	900			
19	1016.0	1000			
20	1219.0	1200			
21	1422.0	1400			
22	1626.0	1600			
23	1829.0	1800			
24	2032.0	2000			
25	2235.0	2200			
26	2337.0	2300			
27	2438.0	2400			
28	2540.0	2500			
29	2642.0	2600			
30	2743.0	2700			
	<b>TOTAL</b>	<b>TENDERED</b>			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (C)

**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes Specials To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of specials for the main barrel shall follow the minimum nominal thickness of Mild Steel Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>1</b>	<b>Unwrapped Bend, Mild Steel Plain Ended:</b>			
a)	100mm x 22 ½ deg			
b)	100mm x 45 deg			
c)	100mm x 90 deg			
d)	150mm x 22 ½ deg			
e)	150mm x 45 deg			
f)	150mm x 90 deg			
g)	200mm x 22 ½ deg			
h)	200mm x 45 deg			
i)	200mm x 90 deg			
j)	250mm x 22 ½ deg			
k)	250mm x 45 deg			
l)	250mm x 90 deg			
m)	300mm x 22 ½ deg			
n)	300mm x 45 deg			
o)	300mm x 90 deg			
p)	350mm x 22 ½ deg			
q)	350mm x 45 deg			
r)	350mm x 90 deg			
s)	400mm x 22 ½ deg			
t)	400mm x 45 deg			
u)	400mm x 90 deg			
v)	450mm x 22 ½ deg			
w)	450mm x 45 deg			
x)	450mm x 90 deg			
y)	500mm x 22 ½ deg			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....



Ranhill SAJ Sdn. Bhd. (C)  
**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes Specials**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..1</b>	<b>Unwrapped Bend, Mild Steel Plain Ended :</b>			
z)	500mm x 45 deg			
aa)	500mm x 90 deg			
ab)	600mm x 22 ½ deg			
ac)	600mm x 45 deg			
ad)	600mm x 90 deg			
ae)	700mm x 22 ½ deg			
af)	700mm x 45 deg			
ag)	700mm x 90 deg			
ah)	800mm x 22 ½ deg			
ai)	800mm x 45 deg			
aj)	800mm x 90 deg			
ak)	900mm x 22 ½ deg			
al)	900mm x 45 deg			
am)	900mm x 90 deg			
	<b>TOTAL</b>	<b>TENDERED</b>		

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (C)  
**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes Specials**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>5</b>	<b>Unwrapped Tee, Offtake Flange</b>			
a)	100mm x 100mm x 100mm			
b)	100mm x 100mm x 75mm			
c)	100mm x 100mm x 50mm			
d)	150mm x 150mm x 150mm			
e)	150mm x 150mm x 100mm			
f)	150mm x 150mm x 75mm			
g)	150mm x 150mm x 50mm			
h)	200mm x 200mm x 200mm			
i)	200mm x 200mm x 150mm			
j)	200mm x 200mm x 100mm			
k)	200mm x 200mm x 75mm			
l)	200mm x 200mm x 50mm			
m)	250mm x 250mm x 250mm			
n)	250mm x 250mm x 200mm			
o)	250mm x 250mm x 150mm			
p)	250mm x 250mm x 100mm			
q)	250mm x 250mm x 75mm			
r)	250mm x 250mm x 50mm			
s)	300mm x 300mm x 300mm			
t)	300mm x 300mm x 250mm			
u)	300mm x 300mm x 200mm			
v)	300mm x 300mm x 150mm			
w)	300mm x 300mm x 100mm			
x)	300mm x 300mm x 75mm			
y)	300mm x 300mm x 50mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (C)

**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes Specials To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of specials for the main barrel shall follow the minimum nominal thickness of Mild Steel Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Unwrapped Tee, Offtake Flange (con't)</b>			
z)	350mm x 350mm x 350mm			
aa)	350mm x 350mm x 300mm			
ab)	350mm x 350mm x 250mm			
ac)	350mm x 350mm x 200mm			
ad)	350mm x 350mm x 150mm			
ae)	350mm x 350mm x 100mm			
af)	400mm x 400mm x 400mm			
ag)	400mm x 400mm x 350mm			
ah)	400mm x 400mm x 300mm			
ai)	400mm x 400mm x 250mm			
aj)	400mm x 400mm x 200mm			
ak)	400mm x 400mm x 150mm			
al)	400mm x 400mm x 100mm			
am)	450mm x 450mm x 450mm			
an)	450mm x 450mm x 400mm			
ao)	450mm x 450mm x 350mm			
ap)	450mm x 450mm x 300mm			
aq)	450mm x 450mm x 250mm			
ar)	450mm x 450mm x 200mm			
as)	450mm x 450mm x 150mm			
at)	450mm x 450mm x 100mm			
au)	500mm x 500mm x 500mm			
av)	500mm x 500mm x 450mm			
aw)	500mm x 500mm x 400mm			
ax)	500mm x 500mm x 350mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (C)  
**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes Specials**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Unwrapped Tee, Offtake Flange (con't)</b>			
ay)	500mm x 500mm x 300mm			
az)	500mm x 500mm x 250mm			
ba)	500mm x 500mm x 200mm			
bb)	500mm x 500mm x 150mm			
bc)	500mm x 500mm x 100mm			
bd)	600mm x 600mm x 600mm			
be)	600mm x 600mm x 550mm			
bf)	600mm x 600mm x 500mm			
bg)	600mm x 600mm x 450mm			
bh)	600mm x 600mm x 400mm			
bi)	600mm x 600mm x 350mm			
bj)	600mm x 600mm x 300mm			
bk)	600mm x 600mm x 250mm			
bl)	600mm x 600mm x 200mm			
bm)	600mm x 600mm x 150mm			
bn)	600mm x 600mm x 100mm			
bo)	600mm x 200mm			
	(OD:642.73 x 642.73 x 219.1)mm			
bp)	700mm x 700mm x 700mm			
bq)	700mm x 700mm x 750mm			
br)	700mm x 700mm x 650mm			
bs)	700mm x 700mm x 600mm			
bt)	700mm x 700mm x 550mm			
bu)	700mm x 700mm x 500mm			
bv)	700mm x 700mm x 450mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (C)  
**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes Specials**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Unwrapped Tee, Offtake Flange (con't)</b>			
bw)	700mm x 700mm x 400mm			
bx)	700mm x 700mm x 350mm			
by)	700mm x 700mm x 300mm			
bz)	700mm x 700mm x 250mm			
ca)	700mm x 700mm x 200mm			
cb)	700mm x 700mm x 150mm			
cc)	700mm x 700mm x 100mm			
cd)	800mm x 800mm x 800mm			
ce)	800mm x 800mm x 750mm			
cf)	800mm x 800mm x 700mm			
cg)	800mm x 800mm x 650mm			
ch)	800mm x 800mm x 600mm			
ci)	800mm x 800mm x 550mm			
cj)	800mm x 800mm x 500mm			
ck)	800mm x 800mm x 450mm			
cl)	800mm x 800mm x 400mm			
cm)	800mm x 800mm x 350mm			
cn)	800mm x 800mm x 300mm			
co)	800mm x 800mm x 250mm			
cp)	800mm x 800mm x 200mm			
cq)	800mm x 800mm x 150mm			
cr)	800mm x 800mm x 100mm			
cs)	900mm x 900mm x 900mm			
ct)	900mm x 900mm x 850mm			
cu)	900mm x 900mm x 800mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (C)

**Schedule of Stores for Supply and Delivery of Unwrapped Mild Steel Pipes Specials To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of specials for the main barrel shall follow the minimum nominal thickness of Mild Steel Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Unwrapped Tee, Offtake Flange (con't)</b>			
cv)	900mm x 900mm x 750mm			
cw)	900mm x 900mm x 700mm			
cx)	900mm x 900mm x 650mm			
cy)	900mm x 900mm x 600mm			
cz)	900mm x 900mm x 550mm			
da)	900mm x 900mm x 500mm			
db)	900mm x 900mm x 450mm			
dc)	900mm x 900mm x 400mm			
dd)	900mm x 900mm x 350mm			
de)	900mm x 900mm x 300mm			
df)	900mm x 900mm x 250mm			
dg)	900mm x 900mm x 200mm			
dh)	900mm x 900mm x 150mm			
di)	900mm x 900mm x 100mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>1</b>	<b>Bend, Mild Steel Plain Ended:</b>			
a)	100mm x 22 ½ deg			
b)	100mm x 45 deg			
c)	100mm x 90 deg			
d)	150mm x 22 ½ deg			
e)	150mm x 45 deg			
f)	150mm x 90 deg			
g)	200mm x 22 ½ deg			
h)	200mm x 45 deg			
i)	200mm x 90 deg			
j)	250mm x 22 ½ deg			
k)	250mm x 45 deg			
l)	250mm x 90 deg			
m)	300mm x 22 ½ deg			
n)	300mm x 45 deg			
o)	300mm x 90 deg			
p)	350mm x 22 ½ deg			
q)	350mm x 45 deg			
r)	350mm x 90 deg			
s)	400mm x 22 ½ deg			
t)	400mm x 45 deg			
u)	400mm x 90 deg			
v)	450mm x 22 ½ deg			
w)	450mm x 45 deg			
x)	450mm x 90 deg			
y)	500mm x 22 ½ deg			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..1</b>	<b>Bend, Mild Steel Plain Ended :</b>			
z)	500mm x 45 deg			
aa)	500mm x 90 deg			
ab)	600mm x 22 ½ deg			
ac)	600mm x 45 deg			
ad)	600mm x 90 deg			
ae)	700mm x 22 ½ deg			
af)	700mm x 45 deg			
ag)	700mm x 90 deg			
ah)	800mm x 22 ½ deg			
ai)	800mm x 45 deg			
aj)	800mm x 90 deg			
ak)	900mm x 22 ½ deg			
al)	900mm x 45 deg			
am)	900mm x 90 deg			
	<b>TOTAL</b>	<b>TENDERED</b>		

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....



Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>2</b>	<b>Bend, Mild Steel Double Flange :</b>			
a)	100mm x 22 ½ deg			
b)	100mm x 45 deg			
c)	100mm x 90 deg			
d)	150mm x 22 ½ deg			
e)	150mm x 45 deg			
f)	150mm x 90 deg			
g)	200mm x 22 ½ deg			
h)	200mm x 45 deg			
i)	200mm x 90 deg			
j)	250mm x 22 ½ deg			
k)	250mm x 45 deg			
l)	250mm x 90 deg			
m)	300mm x 22 ½ deg			
n)	300mm x 45 deg			
o)	300mm x 90 deg			
p)	350mm x 22 ½ deg			
q)	350mm x 45 deg			
r)	350mm x 90 deg			
s)	400mm x 22 ½ deg			
t)	400mm x 45 deg			
u)	400mm x 90 deg			
v)	450mm x 22 ½ deg			
w)	450mm x 45 deg			
x)	450mm x 90 deg			
y)	500mm x 22 ½ deg			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
..2	<b>Bend, Mild Steel Double Flange (Con't) :</b>			
z)	500mm x 45 deg			
aa)	500mm x 90 deg			
ab)	600mm x 22 ½ deg			
ac)	600mm x 45 deg			
ad)	600mm x 90 deg			
ae)	700mm x 22 ½ deg			
af)	700mm x 45 deg			
ag)	700mm x 90 deg			
ah)	800mm x 22 ½ deg			
ai)	800mm x 45 deg			
aj)	800mm x 90 deg			
ak)	900mm x 22 ½ deg			
al)	900mm x 45 deg			
am)	900mm x 90 deg			
	<b>TOTAL</b>	<b>TENDERED</b>		

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>3</b>	<b>Tee, All Flange</b>			
a)	100mm x 100mm x 100mm			
b)	100mm x 100mm x 75mm			
c)	100mm x 100mm x 50mm			
d)	150mm x 150mm x 150mm			
e)	150mm x 150mm x 100mm			
f)	150mm x 150mm x 75mm			
g)	150mm x 150mm x 50mm			
h)	200mm x 200mm x 200mm			
i)	200mm x 200mm x 150mm			
j)	200mm x 200mm x 100mm			
k)	200mm x 200mm x 75mm			
l)	200mm x 200mm x 50mm			
m)	250mm x 250mm x 250mm			
n)	250mm x 250mm x 200mm			
o)	250mm x 250mm x 150mm			
p)	250mm x 250mm x 100mm			
q)	250mm x 250mm x 75mm			
r)	250mm x 250mm x 50mm			
s)	300mm x 300mm x 300mm			
t)	300mm x 300mm x 250mm			
u)	300mm x 300mm x 200mm			
v)	300mm x 300mm x 150mm			
w)	300mm x 300mm x 100mm			
x)	300mm x 300mm x 75mm			
y)	300mm x 300mm x 50mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..3</b>	<b>Tee, All Flange (con't)</b>			
z)	350mm x 350mm x 350mm			
aa)	350mm x 350mm x 300mm			
ab)	350mm x 350mm x 250mm			
ac)	350mm x 350mm x 200mm			
ad)	350mm x 350mm x 150mm			
ae)	350mm x 350mm x 100mm			
af)	400mm x 400mm x 400mm			
ag)	400mm x 400mm x 350mm			
ah)	400mm x 400mm x 300mm			
ai)	400mm x 400mm x 250mm			
aj)	400mm x 400mm x 200mm			
ak)	400mm x 400mm x 150mm			
al)	400mm x 400mm x 100mm			
am)	450mm x 450mm x 450mm			
an)	450mm x 450mm x 400mm			
ao)	450mm x 450mm x 350mm			
ap)	450mm x 450mm x 300mm			
aq)	450mm x 450mm x 250mm			
ar)	450mm x 450mm x 200mm			
as)	450mm x 450mm x 150mm			
at)	450mm x 450mm x 100mm			
au)	500mm x 500mm x 500mm			
av)	500mm x 500mm x 450mm			
aw)	500mm x 500mm x 400mm			
ax)	500mm x 500mm x 350mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..3</b>	<b>Tee, All Flange (con't)</b>			
ay)	500mm x 500mm x 300mm			
az)	500mm x 500mm x 250mm			
ba)	500mm x 500mm x 200mm			
bb)	500mm x 500mm x 150mm			
bc)	500mm x 500mm x 100mm			
bd)	600mm x 600mm x 600mm			
be)	600mm x 600mm x 550mm			
bf)	600mm x 600mm x 500mm			
bg)	600mm x 600mm x 450mm			
bh)	600mm x 600mm x 400mm			
bi)	600mm x 600mm x 350mm			
bj)	600mm x 600mm x 300mm			
bk)	600mm x 600mm x 250mm			
bl)	600mm x 600mm x 200mm			
bm)	600mm x 600mm x 150mm			
bn)	600mm x 600mm x 100mm			
bo)	700mm x 700mm x 700mm			
bp)	700mm x 700mm x 750mm			
bq)	700mm x 700mm x 650mm			
br)	700mm x 700mm x 600mm			
bs)	700mm x 700mm x 550mm			
bt)	700mm x 700mm x 500mm			
bu)	700mm x 700mm x 450mm			
bv)	700mm x 700mm x 400mm			
bw)	700mm x 700mm x 350mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..3</b>	<b>Tee, All Flange (con't)</b>			
bx)	700mm x 700mm x 300mm			
by)	700mm x 700mm x 250mm			
bz)	700mm x 700mm x 200mm			
ca)	700mm x 700mm x 150mm			
cb)	700mm x 700mm x 100mm			
cc)	800mm x 800mm x 800mm			
cd)	800mm x 800mm x 750mm			
ce)	800mm x 800mm x 700mm			
cf)	800mm x 800mm x 650mm			
cg)	800mm x 800mm x 600mm			
ch)	800mm x 800mm x 550mm			
ci)	800mm x 800mm x 500mm			
cj)	800mm x 800mm x 450mm			
ck)	800mm x 800mm x 400mm			
cl)	800mm x 800mm x 350mm			
cm)	800mm x 800mm x 300mm			
cn)	800mm x 800mm x 250mm			
co)	800mm x 800mm x 200mm			
cp)	800mm x 800mm x 150mm			
cq)	800mm x 800mm x 100mm			
cr)	900mm x 900mm x 900mm			
cs)	900mm x 900mm x 850mm			
ct)	900mm x 900mm x 800mm			
cu)	900mm x 900mm x 750mm			
cv)	900mm x 900mm x 700mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..3</b>	<b>Tee, All Flange (con't)</b>			
cw)	900mm x 900mm x 650mm			
cx)	900mm x 900mm x 600mm			
cy)	900mm x 900mm x 550mm			
cz)	900mm x 900mm x 500mm			
da)	900mm x 900mm x 450mm			
db)	900mm x 900mm x 400mm			
dc)	900mm x 900mm x 350mm			
dd)	900mm x 900mm x 300mm			
de)	900mm x 900mm x 250mm			
df)	900mm x 900mm x 200mm			
dg)	900mm x 900mm x 150mm			
dh)	900mm x 900mm x 100mm			
<b>4</b>	<b>Tee, Plain Ends, Mild Steel</b>			
a)	100mm x 100mm x 100mm			
b)	100mm x 100mm x 75mm			
c)	100mm x 100mm x 50mm			
d)	150mm x 150mm x 150mm			
e)	150mm x 150mm x 100mm			
f)	150mm x 150mm x 75mm			
g)	150mm x 150mm x 50mm			
h)	200mm x 200mm x 200mm			
i)	200mm x 200mm x 150mm			
j)	200mm x 200mm x 100mm			
k)	200mm x 200mm x 75mm			
l)	200mm x 200mm x 50mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..4</b>	<b>Tee, Plain Ends, Mild Steel (con't)</b>			
m)	250mm x 250mm x 250mm			
n)	250mm x 250mm x 200mm			
o)	250mm x 250mm x 150mm			
p)	250mm x 250mm x 100mm			
q)	250mm x 250mm x 75mm			
r)	250mm x 250mm x 50mm			
s)	300mm x 300mm x 300mm			
t)	300mm x 300mm x 250mm			
u)	300mm x 300mm x 200mm			
v)	300mm x 300mm x 150mm			
w)	300mm x 300mm x 100mm			
x)	300mm x 300mm x 75mm			
y)	300mm x 300mm x 50mm			
z)	350mm x 350mm x 350mm			
aa)	350mm x 350mm x 300mm			
ab)	350mm x 350mm x 250mm			
ac)	350mm x 350mm x 200mm			
ad)	350mm x 350mm x 150mm			
ae)	350mm x 350mm x 100mm			
af)	400mm x 400mm x 400mm			
ag)	400mm x 400mm x 350mm			
ah)	400mm x 400mm x 300mm			
ai)	400mm x 400mm x 250mm			
aj)	400mm x 400mm x 200mm			
ak)	400mm x 400mm x 150mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....



Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..4</b>	<b>Tee, Plain Ends, Mild Steel (con't)</b>			
al)	400mm x 400mm x 100mm			
am)	450mm x 450mm x 450mm			
an)	450mm x 450mm x 400mm			
ao)	450mm x 450mm x 350mm			
ap)	450mm x 450mm x 300mm			
aq)	450mm x 450mm x 250mm			
ar)	450mm x 450mm x 200mm			
as)	450mm x 450mm x 150mm			
at)	450mm x 450mm x 100mm			
au)	500mm x 500mm x 500mm			
av)	500mm x 500mm x 450mm			
aw)	500mm x 500mm x 400mm			
ax)	500mm x 500mm x 350mm			
ay)	500mm x 500mm x 300mm			
az)	500mm x 500mm x 250mm			
ba)	500mm x 500mm x 200mm			
bb)	500mm x 500mm x 150mm			
bc)	500mm x 500mm x 100mm			
bd)	600mm x 600mm x 600mm			
be)	600mm x 600mm x 550mm			
bf)	600mm x 600mm x 500mm			
bg)	600mm x 600mm x 450mm			
bh)	600mm x 600mm x 400mm			
bi)	600mm x 600mm x 350mm			
bj)	600mm x 600mm x 300mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..4</b>	<b>Tee, Plain Ends, Mild Steel (con't)</b>			
bk)	600mm x 600mm x 250mm			
bl)	600mm x 600mm x 200mm			
bm)	600mm x 600mm x 150mm			
bn)	600mm x 600mm x 100mm			
bo)	700mm x 700mm x 700mm			
bp)	700mm x 700mm x 750mm			
bq)	700mm x 700mm x 650mm			
br)	700mm x 700mm x 600mm			
bs)	700mm x 700mm x 550mm			
bt)	700mm x 700mm x 500mm			
bu)	700mm x 700mm x 450mm			
bv)	700mm x 700mm x 400mm			
bw)	700mm x 700mm x 350mm			
bx)	700mm x 700mm x 300mm			
by)	700mm x 700mm x 250mm			
bz)	700mm x 700mm x 200mm			
Ca)	700mm x 700mm x 150mm			
Cb)	700mm x 700mm x 100mm			
cc)	800mm x 800mm x 800mm			
cd)	800mm x 800mm x 750mm			
ce)	800mm x 800mm x 700mm			
cf)	800mm x 800mm x 650mm			
cg)	800mm x 800mm x 600mm			
ch)	800mm x 800mm x 550mm			
ci)	800mm x 800mm x 500mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJH Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..4</b>	<b>Tee, Plain Ends, Mild Steel (con't)</b>			
cj)	800mm x 800mm x 450mm			
ck)	800mm x 800mm x 400mm			
cl)	800mm x 800mm x 350mm			
cm)	800mm x 800mm x 300mm			
cn)	800mm x 800mm x 250mm			
co)	800mm x 800mm x 200mm			
cp)	800mm x 800mm x 150mm			
cq)	800mm x 800mm x 100mm			
cr)	900mm x 900mm x 900mm			
cs)	900mm x 900mm x 850mm			
ct)	900mm x 900mm x 800mm			
cu)	900mm x 900mm x 750mm			
cv)	900mm x 900mm x 700mm			
cw)	900mm x 900mm x 650mm			
cx)	900mm x 900mm x 600mm			
cy)	900mm x 900mm x 550mm			
cz)	900mm x 900mm x 500mm			
da)	900mm x 900mm x 450mm			
db)	900mm x 900mm x 400mm			
dc)	900mm x 900mm x 350mm			
dd)	900mm x 900mm x 300mm			
de)	900mm x 900mm x 250mm			
df)	900mm x 900mm x 200mm			
dg)	900mm x 900mm x 150mm			
dh)	900mm x 900mm x 100mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>5</b>	<b>Tee, Offtake Flange</b>			
a)	100mm x 100mm x 100mm			
b)	100mm x 100mm x 75mm			
c)	100mm x 100mm x 50mm			
d)	150mm x 150mm x 150mm			
e)	150mm x 150mm x 100mm			
f)	150mm x 150mm x 75mm			
g)	150mm x 150mm x 50mm			
h)	200mm x 200mm x 200mm			
i)	200mm x 200mm x 150mm			
j)	200mm x 200mm x 100mm			
k)	200mm x 200mm x 75mm			
l)	200mm x 200mm x 50mm			
m)	250mm x 250mm x 250mm			
n)	250mm x 250mm x 200mm			
o)	250mm x 250mm x 150mm			
p)	250mm x 250mm x 100mm			
q)	250mm x 250mm x 75mm			
r)	250mm x 250mm x 50mm			
s)	300mm x 300mm x 300mm			
t)	300mm x 300mm x 250mm			
u)	300mm x 300mm x 200mm			
v)	300mm x 300mm x 150mm			
w)	300mm x 300mm x 100mm			
x)	300mm x 300mm x 75mm			
y)	300mm x 300mm x 50mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Tee, Offtake Flange (con't)</b>			
z)	350mm x 350mm x 350mm			
aa)	350mm x 350mm x 300mm			
ab)	350mm x 350mm x 250mm			
ac)	350mm x 350mm x 200mm			
ad)	350mm x 350mm x 150mm			
ae)	350mm x 350mm x 100mm			
af)	400mm x 400mm x 400mm			
ag)	400mm x 400mm x 350mm			
ah)	400mm x 400mm x 300mm			
ai)	400mm x 400mm x 250mm			
aj)	400mm x 400mm x 200mm			
ak)	400mm x 400mm x 150mm			
al)	400mm x 400mm x 100mm			
am)	450mm x 450mm x 450mm			
an)	450mm x 450mm x 400mm			
ao)	450mm x 450mm x 350mm			
ap)	450mm x 450mm x 300mm			
aq)	450mm x 450mm x 250mm			
ar)	450mm x 450mm x 200mm			
as)	450mm x 450mm x 150mm			
at)	450mm x 450mm x 100mm			
au)	500mm x 500mm x 500mm			
av)	500mm x 500mm x 450mm			
aw)	500mm x 500mm x 400mm			
ax)	500mm x 500mm x 350mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Tee, Offtake Flange (con't)</b>			
ay)	500mm x 500mm x 300mm			
az)	500mm x 500mm x 250mm			
ba)	500mm x 500mm x 200mm			
bb)	500mm x 500mm x 150mm			
bc)	500mm x 500mm x 100mm			
bd)	600mm x 600mm x 600mm			
be)	600mm x 600mm x 550mm			
bf)	600mm x 600mm x 500mm			
bg)	600mm x 600mm x 450mm			
bh)	600mm x 600mm x 400mm			
bi)	600mm x 600mm x 350mm			
bj)	600mm x 600mm x 300mm			
bk)	600mm x 600mm x 250mm			
bl)	600mm x 600mm x 200mm			
bm)	600mm x 600mm x 150mm			
bn)	600mm x 600mm x 100mm			
bo)	600mm x 200mm			
	(OD:642.73 x 642.73 x 219.1)mm			
bp)	700mm x 700mm x 700mm			
bq)	700mm x 700mm x 750mm			
br)	700mm x 700mm x 650mm			
bs)	700mm x 700mm x 600mm			
bt)	700mm x 700mm x 550mm			
bu)	700mm x 700mm x 500mm			
bv)	700mm x 700mm x 450mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Tee, Offtake Flange (con't)</b>			
bw)	700mm x 700mm x 400mm			
bx)	700mm x 700mm x 350mm			
by)	700mm x 700mm x 300mm			
bz)	700mm x 700mm x 250mm			
ca)	700mm x 700mm x 200mm			
cb)	700mm x 700mm x 150mm			
cc)	700mm x 700mm x 100mm			
cd)	800mm x 800mm x 800mm			
ce)	800mm x 800mm x 750mm			
cf)	800mm x 800mm x 700mm			
cg)	800mm x 800mm x 650mm			
ch)	800mm x 800mm x 600mm			
ci)	800mm x 800mm x 550mm			
cj)	800mm x 800mm x 500mm			
ck)	800mm x 800mm x 450mm			
cl)	800mm x 800mm x 400mm			
cm)	800mm x 800mm x 350mm			
cn)	800mm x 800mm x 300mm			
co)	800mm x 800mm x 250mm			
cp)	800mm x 800mm x 200mm			
cq)	800mm x 800mm x 150mm			
cr)	800mm x 800mm x 100mm			
cs)	900mm x 900mm x 900mm			
ct)	900mm x 900mm x 850mm			
cu)	900mm x 900mm x 800mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..5</b>	<b>Tee, Offtake Flange (con't)</b>			
cv)	900mm x 900mm x 750mm			
cw)	900mm x 900mm x 700mm			
cx)	900mm x 900mm x 650mm			
cy)	900mm x 900mm x 600mm			
cz)	900mm x 900mm x 550mm			
da)	900mm x 900mm x 500mm			
db)	900mm x 900mm x 450mm			
dc)	900mm x 900mm x 400mm			
dd)	900mm x 900mm x 350mm			
de)	900mm x 900mm x 300mm			
df)	900mm x 900mm x 250mm			
dg)	900mm x 900mm x 200mm			
dh)	900mm x 900mm x 150mm			
di)	900mm x 900mm x 100mm			
<b>6</b>	<b>Tee, Invert Level</b>			
a)	100mm x 100mm x 100mm			
b)	150mm x 150mm x 100mm			
c)	200mm x 200mm x 100mm			
d)	250mm x 250mm x 100mm			
e)	300mm x 300mm x 100mm			
f)	350mm x 350mm x 100mm			
g)	400mm x 400mm x 100mm			
h)	450mm x 450mm x 100mm			
i)	500mm x 500mm x 100mm			
j)	600mm x 600mm x 100mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....



Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..6</b>	<b>Tee, Invert Level (con't)</b>			
k)	700mm x 700mm x 100mm			
l)	800mm x 800mm x 100mm			
m)	900mm x 900mm x 100mm			
<b>7</b>	<b>Collar</b>			
a)	100mm dia.			
b)	150mm dia.			
c)	200mm dia.			
d)	250mm dia.			
e)	300mm dia.			
f)	350mm dia.			
g)	375mm dia.			
h)	400mm dia.			
i)	450mm dia.			
j)	500mm dia.			
k)	550mm dia.			
l)	600mm dia.			
m)	700mm dia.			
n)	800mm dia.			
o)	900mm dia.			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>8</b>	<b>Reducer/Taper Plain Ended</b>			
a)	150mm x 100mm			
b)	200mm x 100mm			
c)	200mm x 150mm			
d)	250mm x 100mm			
e)	250mm x 150mm			
f)	250mm x 200mm			
g)	300mm x 100mm			
h)	300mm x 150mm			
i)	300mm x 200mm			
j)	300mm x 250mm			
k)	350mm x 100mm			
l)	350mm x 150mm			
m)	350mm x 200mm			
n)	350mm x 250mm			
o)	350mm x 300mm			
p)	400mm x 150mm			
q)	400mm x 200mm			
r)	400mm x 250mm			
s)	400mm x 300mm			
t)	400mm x 350mm			
u)	450mm x 200mm			
v)	450mm x 250mm			
w)	450mm x 300mm			
x)	450mm x 350mm			
y)	450mm x 400mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..8</b>	<b>Reducer/Taper Plain Ended (con't)</b>			
z)	500mm x 200mm			
aa)	500mm x 250mm			
ab)	500mm x 300mm			
ac)	500mm x 350mm			
ad)	500mm x 400mm			
ae)	500mm x 450mm			
af)	600mm x 200mm			
ag)	600mm x 250mm			
ah)	600mm x 300mm			
ai)	600mm x 350mm			
aj)	600mm x 400mm			
ak)	600mm x 450mm			
al)	600mm x 500mm			
am)	600mm x 550mm			
an)	700mm x 200mm			
ao)	700mm x 250mm			
ap)	700mm x 300mm			
aq)	700mm x 350mm			
ar)	700mm x 400mm			
as)	700mm x 450mm			
at)	700mm x 500mm			
au)	700mm x 550mm			
av)	800mm x 200mm			
aw)	800mm x 250mm			
ax)	800mm x 300mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..8</b>	<b>Reducer/Taper Plain Ended (con't)</b>			
ay)	800mm x 350mm			
az)	800mm x 400mm			
ba)	800mm x 450mm			
bb)	800mm x 500mm			
bc)	800mm x 550mm			
bd)	900mm x 200mm			
be)	900mm x 250mm			
bf)	900mm x 300mm			
bg)	900mm x 350mm			
bh)	900mm x 400mm			
bi)	900mm x 450mm			
bj)	900mm x 500mm			
bk)	900mm x 550mm			
<b>9</b>	<b>Reducer/Taper Double Flange</b>			
a)	150mm x 100mm			
b)	200mm x 100mm			
c)	200mm x 150mm			
d)	250mm x 100mm			
e)	250mm x 150mm			
f)	250mm x 200mm			
g)	300mm x 100mm			
h)	300mm x 150mm			
i)	300mm x 200mm			
j)	300mm x 250mm			
k)	350mm x 100mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..9</b>	<b>Reducer/Taper Double Flange (con't)</b>			
l)	350mm x 150mm			
m)	350mm x 200mm			
n)	350mm x 250mm			
o)	350mm x 300mm			
p)	400mm x 150mm			
q)	400mm x 200mm			
r)	400mm x 250mm			
s)	400mm x 300mm			
t)	400mm x 350mm			
u)	450mm x 200mm			
v)	450mm x 250mm			
w)	450mm x 300mm			
x)	450mm x 350mm			
y)	450mm x 400mm			
z)	500mm x 200mm			
aa)	500mm x 250mm			
ab)	500mm x 300mm			
ac)	500mm x 350mm			
ad)	500mm x 400mm			
ae)	500mm x 450mm			
af)	600mm x 200mm			
ag)	600mm x 250mm			
ah)	600mm x 300mm			
ai)	600mm x 350mm			
aj)	600mm x 400mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..9</b>	<b>Reducer/Taper Double Flange (con't)</b>			
ak)	600mm x 450mm			
al)	600mm x 500mm			
am)	600mm x 550mm			
an)	700mm x 200mm			
ao)	700mm x 250mm			
ap)	700mm x 300mm			
aq)	700mm x 350mm			
ar)	700mm x 400mm			
as)	700mm x 450mm			
at)	700mm x 500mm			
au)	700mm x 550mm			
av)	800mm x 200mm			
aw)	800mm x 250mm			
ax)	800mm x 300mm			
ay)	800mm x 350mm			
az)	800mm x 400mm			
ba)	800mm x 450mm			
bb)	800mm x 500mm			
bc)	800mm x 550mm			
bd)	900mm x 200mm			
be)	900mm x 250mm			
bf)	900mm x 300mm			
bg)	900mm x 350mm			
bh)	900mm x 400mm			
bi)	900mm x 450mm			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..9</b>	<b>Reducer/Taper Double Flange (con't)</b>			
bj)	900mm x 500mm			
bk)	900mm x 550mm			
<b>10</b>	<b>Reducer/Taper FL/PE</b>			
a)	150mm FL x 100mm PE			
b)	200mm FL x 100mm PE			
c)	200mm FL x 150mm PE			
d)	250mm FL x 100mm PE			
e)	250mm FL x 150mm PE			
f)	250mm FL x 200mm PE			
g)	300mm FL x 100mm PE			
h)	300mm FL x 150mm PE			
i)	300mm FL x 200mm PE			
j)	300mm FL x 250mm PE			
k)	350mm FL x 100mm PE			
l)	350mm FL x 150mm PE			
m)	350mm FL x 200mm PE			
n)	350mm FL x 250mm PE			
o)	350mm FL x 300mm PE			
p)	400mm FL x 150mm PE			
q)	400mm FL x 200mm PE			
r)	400mm FL x 250mm PE			
s)	400mm FL x 300mm PE			
t)	400mm FL x 350mm PE			
u)	450mm FL x 200mm PE			
v)	450mm FL x 250mm PE			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..10</b>	<b>Reducer/Taper FL/PE (con't)</b>			
w)	450mm FL x 300mm PE			
x)	450mm FL x 350mm PE			
y)	450mm FL x 400mm PE			
z)	500mm FL x 200mm PE			
aa)	500mm FL x 250mm PE			
ab)	500mm FL x 300mm PE			
ac)	500mm FL x 350mm PE			
ad)	500mm FL x 400mm PE			
ae)	500mm FL x 450mm PE			
af)	600mm FL x 200mm PE			
ag)	600mm FL x 250mm PE			
ah)	600mm FL x 300mm PE			
ai)	600mm FL x 350mm PE			
aj)	600mm FL x 400mm PE			
ak)	600mm FL x 450mm PE			
al)	600mm FL x 500mm PE			
am)	600mm FL x 550mm PE			
an)	700mm FL x 200mm PE			
ao)	700mm FL x 250mm PE			
ap)	700mm FL x 300mm PE			
aq)	700mm FL x 350mm PE			
ar)	700mm FL x 400mm PE			
as)	700mm FL x 450mm PE			
at)	700mm FL x 500mm PE			
au)	700mm FL x 550mm PE			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....



Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..10</b>	<b>Reducer/Taper FL/PE (con't)</b>			
av)	800mm FL x 200mm PE			
aw)	800mm FL x 250mm PE			
ax)	800mm FL x 300mm PE			
ay)	800mm FL x 350mm PE			
az)	800mm FL x 400mm PE			
ba)	800mm FL x 450mm PE			
bb)	800mm FL x 500mm PE			
bc)	800mm FL x 550mm PE			
bd)	900mm FL x 200mm PE			
be)	900mm FL x 250mm PE			
bf)	900mm FL x 300mm PE			
bg)	900mm FL x 350mm PE			
bh)	900mm FL x 400mm PE			
bi)	900mm FL x 450mm PE			
bj)	900mm FL x 500mm PE			
bk)	900mm FL x 550mm PE			
<b>11</b>	<b>End Cap</b>			
a)	100mm dia.			
b)	150mm dia.			
c)	200mm dia.			
d)	250mm dia.			
e)	300mm dia.			
f)	350mm dia.			
g)	375mm dia.			
h)	400mm dia.			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>..11</b>	<b>End Cap (con't)</b>			
i)	450mm dia.			
j)	500mm dia.			
k)	550mm dia.			
l)	600mm dia.			
m)	700mm dia.			
n)	800mm dia.			
o)	900mm dia.			
<b>12</b>	<b>Flange (PN16)</b>			
a)	100mm dia.			
b)	150mm dia.			
c)	200mm dia.			
d)	250mm dia.			
e)	300mm dia.			
f)	350mm dia.			
g)	375mm dia.			
h)	400mm dia.			
i)	450mm dia.			
j)	500mm dia.			
k)	550mm dia.			
l)	600mm dia.			
m)	700mm dia.			
n)	800mm dia.			
o)	900mm dia.			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Provisional Quantity	Rate (RM)	Amount (RM)
<b>13</b>	<b>Blank Flange</b>			
a)	100mm dia.			
b)	150mm dia.			
c)	200mm dia.			
d)	250mm dia.			
e)	300mm dia.			
f)	350mm dia.			
g)	375mm dia.			
h)	400mm dia.			
i)	450mm dia.			
j)	500mm dia.			
k)	550mm dia.			
l)	600mm dia.			
m)	700mm dia.			
n)	800mm dia.			
o)	900mm dia.			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>14</b>	<b>Short Piece- Plain Ended Straight Pipe</b>			
a)	100mm dia x not exceeding 1.0m long			
b)	100mm dia. x exceeding 1.0m not exceeding 2.0m long			
c)	150mm dia x not exceeding 1.0m long			
d)	150mm dia. x exceeding 1.0m not exceeding 2.0m long			
e)	200mm dia x not exceeding 1.0m long			
f)	200mm dia. x exceeding 1.0m not exceeding 2.0m long			
g)	250mm dia x not exceeding 1.0m long			
h)	250mm dia. x exceeding 1.0m not exceeding 2.0m long			
i)	300mm dia x not exceeding 1.0m long			
j)	300mm dia. x exceeding 1.0m not exceeding 2.0m long			
k)	350mm dia x not exceeding 1.0m long			
l)	350mm dia. x exceeding 1.0m not exceeding 2.0m long			
m)	400mm dia x not exceeding 1.0m long			
n)	400mm dia. x exceeding 1.0m not exceeding 2.0m long			
o)	450mm dia x not exceeding 1.0m long			
p)	450mm dia. x exceeding 1.0m not exceeding 2.0m long			
q)	500mm dia x not exceeding 1.0m long			
r)	500mm dia. x exceeding 1.0m not exceeding 2.0m long			
s)	550mm dia x not exceeding 1.0m long			
t)	550mm dia. x exceeding 1.0m not exceeding 2.0m long			
u)	600mm dia x not exceeding 1.0m long			
v)	600mm dia. x exceeding 1.0m not exceeding 2.0m long			
w)	650mm dia x not exceeding 1.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>..14</b>	<b>Short Piece- Plain Ended Straight Pipe (con't)</b>			
x)	650mm dia. x exceeding 1.0m not exceeding 2.0m long			
y)	700mm dia x not exceeding 1.0m long			
z)	700mm dia. x exceeding 1.0m not exceeding 2.0m long			
aa)	750mm dia x not exceeding 1.0m long			
ab)	750mm dia. x exceeding 1.0m not exceeding 2.0m long			
ac)	800mm dia x not exceeding 1.0m long			
ad)	800mm dia. x exceeding 1.0m not exceeding 2.0m long			
ae)	850mm dia x not exceeding 1.0m long			
af)	850mm dia. x exceeding 1.0m not exceeding 2.0m long			
ag)	900mm dia x not exceeding 1.0m long			
ah)	900mm dia. x exceeding 1.0m not exceeding 2.0m long			
<b>15</b>	<b>Short Piece – Plain And Flanged Ended Straight Pipe</b>			
a)	100mm dia x not exceeding 1.0m long			
b)	100mm dia. x exceeding 1.0m not exceeding 2.0m long			
c)	150mm dia x not exceeding 1.0m long			
d)	150mm dia. x exceeding 1.0m not exceeding 2.0m long			
e)	200mm dia x not exceeding 1.0m long			
f)	200mm dia. x exceeding 1.0m not exceeding 2.0m long			
g)	250mm dia x not exceeding 1.0m long			
h)	250mm dia. x exceeding 1.0m not exceeding 2.0m long			
i)	300mm dia x not exceeding 1.0m long			
j)	300mm dia. x exceeding 1.0m not exceeding 2.0m long			
k)	350mm dia x not exceeding 1.0m long			
l)	350mm dia. x exceeding 1.0m not exceeding 2.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>..15</b>	<b>Short Piece- Plain And Flanged Ended Straight Pipe (con't)</b>			
m)	400mm dia x not exceeding 1.0m long			
n)	400mm dia. x exceeding 1.0m not exceeding 2.0m long			
o)	450mm dia x not exceeding 1.0m long			
p)	450mm dia. x exceeding 1.0m not exceeding 2.0m long			
q)	500mm dia x not exceeding 1.0m long			
r)	500mm dia. x exceeding 1.0m not exceeding 2.0m long			
s)	550mm dia x not exceeding 1.0m long			
t)	550mm dia. x exceeding 1.0m not exceeding 2.0m long			
u)	600mm dia x not exceeding 1.0m long			
v)	600mm dia. x exceeding 1.0m not exceeding 2.0m long			
w)	650mm dia x not exceeding 1.0m long			
x)	650mm dia. x exceeding 1.0m not exceeding 2.0m long			
y)	700mm dia x not exceeding 1.0m long			
z)	700mm dia. x exceeding 1.0m not exceeding 2.0m long			
aa)	750mm dia x not exceeding 1.0m long			
ab)	750mm dia. x exceeding 1.0m not exceeding 2.0m long			
ac)	800mm dia x not exceeding 1.0m long			
ad)	800mm dia. x exceeding 1.0m not exceeding 2.0m long			
ae)	850mm dia x not exceeding 1.0m long			
af)	850mm dia. x exceeding 1.0m not exceeding 2.0m long			
ag)	900mm dia x not exceeding 1.0m long			
ah)	900mm dia. x exceeding 1.0m not exceeding 2.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>16</b>	<b>Short Piece – Double Flanged Straight Pipe</b>			
a)	100mm dia x not exceeding 1.0m long			
b)	100mm dia. x exceeding 1.0m not exceeding 2.0m long			
c)	150mm dia x not exceeding 1.0m long			
d)	150mm dia. x exceeding 1.0m not exceeding 2.0m long			
e)	200mm dia x not exceeding 1.0m long			
f)	200mm dia. x exceeding 1.0m not exceeding 2.0m long			
g)	250mm dia x not exceeding 1.0m long			
h)	250mm dia. x exceeding 1.0m not exceeding 2.0m long			
i)	300mm dia x not exceeding 1.0m long			
j)	300mm dia. x exceeding 1.0m not exceeding 2.0m long			
k)	350mm dia x not exceeding 1.0m long			
l)	350mm dia. x exceeding 1.0m not exceeding 2.0m long			
m)	400mm dia x not exceeding 1.0m long			
n)	400mm dia. x exceeding 1.0m not exceeding 2.0m long			
o)	450mm dia x not exceeding 1.0m long			
p)	450mm dia. x exceeding 1.0m not exceeding 2.0m long			
q)	500mm dia x not exceeding 1.0m long			
r)	500mm dia. x exceeding 1.0m not exceeding 2.0m long			
s)	550mm dia x not exceeding 1.0m long			
t)	550mm dia. x exceeding 1.0m not exceeding 2.0m long			
u)	600mm dia x not exceeding 1.0m long			
v)	600mm dia. x exceeding 1.0m not exceeding 2.0m long			
w)	650mm dia x not exceeding 1.0m long			
x)	650mm dia. x exceeding 1.0m not exceeding 2.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer’s Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>..16</b>	<b>Short Piece – Double Flanged Straight Pipe (con't)</b>			
y)	700mm dia x not exceeding 1.0m long			
z)	700mm dia. x exceeding 1.0m not exceeding 2.0m long			
aa)	750mm dia x not exceeding 1.0m long			
ab)	750mm dia. x exceeding 1.0m not exceeding 2.0m long			
ac)	800mm dia x not exceeding 1.0m long			
ad)	800mm dia. x exceeding 1.0m not exceeding 2.0m long			
ae)	850mm dia x not exceeding 1.0m long			
af)	850mm dia. x exceeding 1.0m not exceeding 2.0m long			
ag)	900mm dia x not exceeding 1.0m long			
ah)	900mm dia. x exceeding 1.0m not exceeding 2.0m long			
<b>17</b>	<b>Short Piece – Plain Ended Straight Pipe With Puddle Flange</b>			
a)	100mm dia x not exceeding 1.0m long			
b)	100mm dia. x exceeding 1.0m not exceeding 2.0m long			
c)	150mm dia x not exceeding 1.0m long			
d)	150mm dia. x exceeding 1.0m not exceeding 2.0m long			
e)	200mm dia x not exceeding 1.0m long			
f)	200mm dia. x exceeding 1.0m not exceeding 2.0m long			
g)	250mm dia x not exceeding 1.0m long			
h)	250mm dia. x exceeding 1.0m not exceeding 2.0m long			
i)	300mm dia x not exceeding 1.0m long			
j)	300mm dia. x exceeding 1.0m not exceeding 2.0m long			
k)	350mm dia x not exceeding 1.0m long			
l)	350mm dia. x exceeding 1.0m not exceeding 2.0m long			
m)	400mm dia x not exceeding 1.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....



Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>..17</b>	<b>Short Piece – Plain Ended Straight Pipe With Puddle Flange (con't)</b>			
n)	400mm dia. x exceeding 1.0m not exceeding 2.0m long			
o)	450mm dia x not exceeding 1.0m long			
p)	450mm dia. x exceeding 1.0m not exceeding 2.0m long			
q)	500mm dia x not exceeding 1.0m long			
r)	500mm dia. x exceeding 1.0m not exceeding 2.0m long			
s)	550mm dia x not exceeding 1.0m long			
t)	550mm dia. x exceeding 1.0m not exceeding 2.0m long			
u)	600mm dia x not exceeding 1.0m long			
v)	600mm dia. x exceeding 1.0m not exceeding 2.0m long			
w)	650mm dia x not exceeding 1.0m long			
x)	650mm dia. x exceeding 1.0m not exceeding 2.0m long			
y)	700mm dia x not exceeding 1.0m long			
z)	700mm dia. x exceeding 1.0m not exceeding 2.0m long			
aa)	750mm dia x not exceeding 1.0m long			
ab)	750mm dia. x exceeding 1.0m not exceeding 2.0m long			
ac)	800mm dia x not exceeding 1.0m long			
ad)	800mm dia. x exceeding 1.0m not exceeding 2.0m long			
ae)	850mm dia x not exceeding 1.0m long			
af)	850mm dia. x exceeding 1.0m not exceeding 2.0m long			
ag)	900mm dia x not exceeding 1.0m long			
ah)	900mm dia. x exceeding 1.0m not exceeding 2.0m long			
<b>18</b>	<b>Short Piece – Plain And Flange Ended Straight Pipe With Puddle Flange</b>			
a)	100mm dia x not exceeding 1.0m long			
b)	100mm dia. x exceeding 1.0m not exceeding 2.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>..18</b>	<b>Short Piece – Plain And Flange Ended Straight Pipe With Puddle Flange (con't)</b>			
c)	150mm dia x not exceeding 1.0m long			
d)	150mm dia. x exceeding 1.0m not exceeding 2.0m long			
e)	200mm dia x not exceeding 1.0m long			
f)	200mm dia. x exceeding 1.0m not exceeding 2.0m long			
g)	250mm dia x not exceeding 1.0m long			
h)	250mm dia. x exceeding 1.0m not exceeding 2.0m long			
i)	300mm dia x not exceeding 1.0m long			
j)	300mm dia. x exceeding 1.0m not exceeding 2.0m long			
k)	350mm dia x not exceeding 1.0m long			
l)	350mm dia. x exceeding 1.0m not exceeding 2.0m long			
m)	400mm dia x not exceeding 1.0m long			
n)	400mm dia. x exceeding 1.0m not exceeding 2.0m long			
o)	450mm dia x not exceeding 1.0m long			
p)	450mm dia. x exceeding 1.0m not exceeding 2.0m long			
q)	500mm dia x not exceeding 1.0m long			
r)	500mm dia. x exceeding 1.0m not exceeding 2.0m long			
s)	550mm dia x not exceeding 1.0m long			
t)	550mm dia. x exceeding 1.0m not exceeding 2.0m long			
u)	600mm dia x not exceeding 1.0m long			
v)	600mm dia. x exceeding 1.0m not exceeding 2.0m long			
w)	650mm dia x not exceeding 1.0m long			
x)	650mm dia. x exceeding 1.0m not exceeding 2.0m long			
y)	700mm dia x not exceeding 1.0m long			
z)	700mm dia. x exceeding 1.0m not exceeding 2.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd. (D)  
**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**  
**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of  
 specials for the main barrel shall follow the minimum nominal thickness of Mild Steel  
 Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
<b>..18</b>	<b>Short Piece – Plain And Flange Ended Straight Pipe With Puddle Flange (con't)</b>			
aa)	750mm dia x not exceeding 1.0m long			
ab)	750mm dia. x exceeding 1.0m not exceeding 2.0m long			
ac)	800mm dia x not exceeding 1.0m long			
ad)	800mm dia. x exceeding 1.0m not exceeding 2.0m long			
ae)	850mm dia x not exceeding 1.0m long			
af)	850mm dia. x exceeding 1.0m not exceeding 2.0m long			
ag)	900mm dia x not exceeding 1.0m long			
ah)	900mm dia. x exceeding 1.0m not exceeding 2.0m long			
<b>19</b>	<b>Short Piece – Double Flange Ended Straight Pipe With Puddle Flange</b>			
a)	100mm dia x not exceeding 1.0m long			
b)	100mm dia. x exceeding 1.0m not exceeding 2.0m long			
c)	150mm dia x not exceeding 1.0m long			
d)	150mm dia. x exceeding 1.0m not exceeding 2.0m long			
e)	200mm dia x not exceeding 1.0m long			
f)	200mm dia. x exceeding 1.0m not exceeding 2.0m long			
g)	250mm dia x not exceeding 1.0m long			
h)	250mm dia. x exceeding 1.0m not exceeding 2.0m long			
i)	300mm dia x not exceeding 1.0m long			
j)	300mm dia. x exceeding 1.0m not exceeding 2.0m long			
k)	350mm dia x not exceeding 1.0m long			
l)	350mm dia. x exceeding 1.0m not exceeding 2.0m long			
m)	400mm dia x not exceeding 1.0m long			
n)	400mm dia. x exceeding 1.0m not exceeding 2.0m long			
o)	450mm dia x not exceeding 1.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....

Ranhill SAJ Sdn. Bhd.

(D)

**Schedule of Stores for Supply and Delivery of Mild Steel Pipes**

**To SAJ Specification PS/MS/001 For The Period Of ..... Year(s)** (Thickness of specials for the main barrel shall follow the minimum nominal thickness of Mild Steel Pipes as in SPAN TS 21827: Part 1: 2013)

No	Description	Prov. Qty	Rate (RM)	Amount (RM)
..19	<b>Short Piece – Double Flange Ended Straight Pipe With Puddle Flange (con't)</b>			
p)	450mm dia. x exceeding 1.0m not exceeding 2.0m long			
q)	500mm dia x not exceeding 1.0m long			
r)	500mm dia. x exceeding 1.0m not exceeding 2.0m long			
s)	550mm dia x not exceeding 1.0m long			
t)	550mm dia. x exceeding 1.0m not exceeding 2.0m long			
u)	600mm dia x not exceeding 1.0m long			
v)	600mm dia. x exceeding 1.0m not exceeding 2.0m long			
w)	650mm dia x not exceeding 1.0m long			
x)	650mm dia. x exceeding 1.0m not exceeding 2.0m long			
y)	700mm dia x not exceeding 1.0m long			
z)	700mm dia. x exceeding 1.0m not exceeding 2.0m long			
aa)	750mm dia x not exceeding 1.0m long			
ab)	750mm dia. x exceeding 1.0m not exceeding 2.0m long			
ac)	800mm dia x not exceeding 1.0m long			
ad)	800mm dia. x exceeding 1.0m not exceeding 2.0m long			
ae)	850mm dia x not exceeding 1.0m long			
af)	850mm dia. x exceeding 1.0m not exceeding 2.0m long			
ag)	900mm dia x not exceeding 1.0m long			
ah)	900mm dia. x exceeding 1.0m not exceeding 2.0m long			

**(Ringgit:.....)**

Signature of Tenderer:..... Signature of witness:.....

Name:..... Name:.....

In the capacity of:..... Address:.....

Tenderer's Seal or chop:.....

Date:..... Date:.....