JABATAN BEKALAN AIR LUAR BANDAR SARAWAK

SCHEDULE OF RATES

EDITION 2025

JABATAN BEKALAN AIR LUAR BANDAR SARAWAK

2025

SCHEDULE OF RATES

Notes to tenderers:

1. This is only a cover page for this document. Please obtain the full set from the JBALB Sarawak webpage.

2. The "Location Factor From Base at Kuching City" for this tender is _____ % and is the percentage over all the items and rates as listed in this Schedule of Rates to be used for the purposes as stated in the tender documents.

3. Any attempt to amend / change / correct etc. this percentage by the tenderer shall cause the tender to be disqualified.

Item	Description

1 OBJECTIVE

a) This schedule serves as a comprehensive guide for stakeholders in the water industry, offering a reliable reference for watermain construction cost estimation and a standardized basis for determining variation rates under lump sum contracts.

b) There are six (6) parts in this Schedule of Rates :-

ITEM	DESCRIPTION
SCHEDULE I	DUCTILE IRON (D.I) PIPES AND FITTINGS
SCHEDULE II	HDPE PIPES AND FITTINGS
SCHEDULE III	MSCL PIPES AND FITTINGS
SCHEDULE IV	OTHER PIPES AND FITTINGS
SCHEDULE V	OTHER MATERIALS
SCHEDULE VI	MISCELLANEOUS WORKS

2 PREAMBLES

a) All rates shall be used and read together with the "Location Factor From Base at Kuching City".

b) All rates herein have reasonably taken into account anticipated and calculated inflation and risk factors for the next two (2) years from the date of publication.

c) All descriptions are to be read with reference to the General Specification for Watermain Construction (Latest Version) and the following :

1 Site Clearance and Earthwork

All rates herein shall be held to include for supply and delivery to site, wastage on materials, carriage and cartage, carrying in and return of empties, hoisting, setting, fitting and fixing in position, making good and all other labours and everything else necessary (including any custom duties, etc.) for the proper completion of each item and for establishment charges and profit.

Rates for site clearance shall include:

i. Clearing all general vegetation, tall grass, grassland, creepers, shrubs, bushes and all undergrowth.

ii Felling of trees of all sizes including cutting, grubbing up their stumps and roots and dispose off site.

Item	Description
	iii Clearing all rubbish, debris and unwanted materials. iv Breaking up and removing disused structures, surface beds and pavings, sewers, drains and drain pipes, manholes, underground wells, sumps, fencing, posts, retaining walls and other such like structures, including disconnecting and sealing off services, plugging any pipes cut off at perimeter of site. v Removing existing tree stumps and grubbing up their roots and disposal off vi Filling holes and voids caused by removal of trees, tree stumps, roots, existing structures or obstructions with hardcore or suitable approved materials. **2 Excavation** Excavation shall be measured to commence at existing ground level. All excavation and filling shall be measured nett. The quantities of excavation and filling shall be measured on the assumption that the gradient of the existing surfaces between the nearest adjacent spot levels and/ or between contours is constant. Boulders not exceeding one cubic metre shall be deemed to be included in the rates for excavation. Rates for excavation (including excavation of drainage) are to include: i keeping all excavations free from water, mud, etc. by pumping or bailing if required. ii planking and strutting, leveling, ramming or preparing bottoms, any double handling required and for additional excavation for planking, strutting and formwork. iii excavating by hand or mechanical means in various soil strata and water tables. iv multiple handling. v protection of all services encountered. vi additional excavation and backfilling due to Contractor's method or process such as excavation for working space. vii reinstating to original condition all work disturbed by excavation. viii additional concrete infill where excavated below correct levels. x giving all required notice. xi to ensure safety of excavation and adjoining structures.

Item	Description
	3 Pipe Works i All supply rates herein shall be held to include for supply and delivery to site, wastage on materials, including all necessary incidental costs thereto for the proper completion of each item and for establishment charges and profit. ii All installation works are shall be held to include for carriage and cartage, carrying in and return of empties, hoisting, setting, fitting and fixing in position, making good and all other labours and everything else necessary (including any custom duties, etc.) for the proper completion of each item and for establishment charges and profit. iii All pipework rates herein shall include hydraulically tested at the manufacturer's works and test certificates. iv All valves rates herein shall complete with indicators, handwheels caps for key operation, capstan headstocks and locking devices. By-passes shall be fitted to large bore valves with high differential pressure. vi Rates for Horizontal Directional Drilling and Pipe Jacking are inclusive of labours and for the provision of all necessary mechanical plant, mobilization and demobilization.
3	**RULES OF DETERMINING THE LOCATION FACTOR**
a)	The percentage (%) factors are for the projects/sites accessible by land within fifteen kilometres (15 km) radius from the location listed.
b)	Where the projects/sites accessible by land is beyond fifteen kilometres (15 km) radius, the following additional percentage (%) factors shall be added from the original percentages of location factors:

Item	Radius	Percentage (%) Addition
(i)	> 15 km to < 45 km	5%
(ii)	> 45 km to < 90 km	10%
(iii)	> 90 km to < 135 km	15%
(iv)	> 135 km to < 180 km	20%
(v)	> 180 km to < 220 km	25%

Item	Description
c)	Where the projects/sites are only accessible by waterway, the following additional percentage (%) factors shall be added from the original percentages of location factors:

Item	**Radius**	**Percentage (%) Addition**
(i)	areas within 15 km radius	0%
(ii)	areas within 30 km radius	5%
(iii)	areas within 60 km radius	10%
(iv)	areas within 90 km radius	15%
(v)	areas within 120 km radius	20%
(vi)	areas within 150 km radius	25%

d) Where the project sites can only be accessible by air, the additional percentage (%) shall be doubled over from the original percentages of location factors / Where the project sites can only be accessible by air, the location factor shall be doubled over the value obtained from that by motorized vehicles.

e) Where the project sites can only be accessible by foot, the location factor shall be fifty percent (50%) over the value obtained from that by motorized vehicles.

f) Where in determining the locations factor and two or more factors and radial distances are equally applicable, the lower in each case shall be used.

g) Where in determining the location factor and two or more factors and radial distances by the rules above whereby there can be a combination due to accessibility, say partly land and partly waterway or partly waterway and partly by foot, there shall be a combination of the rules according to the radial distance from the nearest locations stated above.

h) Where in determining the location factor and the site for the project lies within two radial distances, the additional percentage (%) for the radial distance within which more than fifty percent (50%) of the Site lies shall be used.

LOCATION FACTOR FROM BASE AT KUCHING CITY

Kuching	City	0%
	Padawan	2%
	Santubong	3%
	Bau	5%
	Lundu	8%
	Sematan	9%

Serian	District	5%
	Tebedu	8%
	Siburan	3%
	Tebakang	8%
	Balai Ringin	8%

Samarahan	District	2%
	Simunjan	12%
	Sebuyau	15%
	Asajaya	10%
	Sadong Jaya	12%

Sri Aman	District	15%
	Lubok Antu	20%
	Lingga	20%
	Pantu	20%
	Engkilili	18%
	Skrang	20%

Betong	District	20%
	Spaoh	20%
	Debak	20%
	Pusa	21%
	Beladin	20%
	Maludam	22%
	Saratok	20%
	Roban	20%
	Kabong	20%

Sarikei	District	18%
	Bintangor	18%
	Pakan	20%
	Selalang	20%
	Julau	20%
	Meluan	22%
	Ulu Entabai	40%
	Engkamop	25%
	Nanga Wak	15%
	Nanga Entabai	14%

Sibu	District	12%
	Kem Bt. 10 & 14	13%
	Durin	15%
	Bawang Assan	13%
	Sungai Assan	13%
	Kanowit	16%
	Machan	16%
	Nibong Tada	15%
	Nanga Tada	17%
	Nanga Dap	20%
	Nanga Ngemah	20%
	Nanga Ngungun	20%
	Nanga Poi	22%
	Nanga Jagau	40%
	Selangau	18%
	Ulu Balingian	20%
	Arip	22%
	Stapang	16%
	Rassau	22%

Mukah	District	20%
	Dalat	20%
	Oya	20%
	Igan	18%
	Balingian	23%
	Kuala Balingian	23%
	Semop	30%
	Matu	25%
	Betanak	30%
	Daro	25%
	Bruit	30%
	Tanjung Manis	18%

Bintulu	District	15%
	Tatau	20%
	Sebauh	23%

Miri	City	15%
	Subis	20%
	Bekenu	15%
	Marudi	25%
	Long Lama	40%
	Beluru	22%
	Long Lama	40%
	Long Luyong	55%
	Long Bedian	55%
	Long Terawan	55%
	Long San	60%
	Long Banga	80%
	Bario	100%

LOCATION FACTOR FROM BASE AT KUCHING CITY

Limbang	District	30%
	Lawas	28%
	Batu Danau	35%
	Medamit	35%
	Ba'kelalan	48%

Kapit	District	30%
	Melipis	35%
	Ibau	35%
	Entangai	40%
	Belawai	35%
	Menuan	35%
	Seranau	30%
	Enchermin	35%
	Pila	45%
	Pelagus	55%
	Merit	55%
	Metah	50%
	Beguang	30%
	Temiang	30%
	Sg. Iran	30%
	Sg. Song	25%
	Sg. Manap	25%
	Sg. Lijau	30%
	Musah	35%
	Tekalit	35%
	Pekan Belaga	35%
	Sambop	35%
	Long Bangan	35%
	Long Dungan	35%
	Sekapan	35%
	Segaham	35%

Kapit	Menjawah	35%
	Metalun	35%
	Long Tanyit	35%
	Long Lidem	35%
	Long Kajang	35%
	Lusong	35%
	Tasik Bakun	70%
	Naha Jaley	70%
	Sang Anau	70%
	Long Jawe	70%
	Long Urun	40%
	Tegulang	45%
	Murum	45%
	Oyan	40%
	Mujong Hilir	40%
	Sg. Kain	40%
	Jalan Baleh HEP-Antawau	40%
	Mujung Hulu	55%
	Paku	55%
	Tunoh	50%
	Merirai	55%
	Entuloh	55%
	Gaat	55%
	Pulang	55%
	Entawau	55%
	Ramong	60%
	Long Busang	70%
	Long Unai	80%
	Tapak Megah	80%
	Rantau Penora	80%
	Long Singut	80%

JABATAN BEKALAN AIR LUAR
BANDAR SARAWAK
2025
SCHEDULE OF RATES

SCHEDULE I

DUCTILE IRON (D.I.) PIPES AND FITTINGS

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
A	**Ductile Iron Pipe, Cement-Lined (DICL), complying with BS EN 545:2010, Push-On (Socket & Spigot) Joint with external coated metallic zinc and bitumen layer.**		
1	150mm x 6m (Class 40)	NO	659.00
2	200mm x 6m (Class 40)	NO	912.00
3	250mm x 6m (Class 40)	NO	1,224.00
4	300mm x 6m (Class 40)	NO	1,609.00
5	350mm x 6m (Class 40)	NO	2,089.00
6	400mm x 6m (Class 40)	NO	2,629.00
7	450mm x 6m (Class 40)	NO	3,215.00
8	500mm x 6m (Class 40)	NO	3,794.00
9	600mm x 6m (Class 40)	NO	5,260.00
10	700mm x 6m (Class 40)	NO	7,000.00
11	100mm x 6m (Class 100)	NO	838.00
12	150mm x 6m (Class 64)	NO	770.00
13	200mm x 6m (Class 64)	NO	1,072.00
14	250mm x 6m (Class 50)	NO	1,398.00
15	300mm x 6m (Class 50)	NO	1,825.00
16	350mm x 6m (Class 50)	NO	2,228.00
17	400mm x 6m (Class 50)	NO	2,734.00
B	**Double-Flanged Ductile Iron Pipe, Cement-Lined (DICL), Class 40, complying with BS EN 545:2010, with external coated metallic zinc and bitumen layer**		
1	100mm diameter x 300mm	NO	397.00
2	100mm diameter x 600mm	NO	449.00
3	100mm diameter x 1m	NO	518.00
4	100mm diameter x 2m	NO	691.00
5	100mm diameter x 3m	NO	864.00
6	100mm diameter x 6m	NO	1,382.00
7	150mm diameter x 300mm	NO	414.00
8	150mm diameter x 600mm	NO	468.00
9	150mm diameter x 1m	NO	540.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
10	150mm diameter x 2m	NO	720.00
11	150mm diameter x 3m	NO	900.00
12	150mm diameter x 6m	NO	1,440.00
13	200mm diameter x 300mm	NO	610.00
14	200mm diameter x 600mm	NO	680.00
15	200mm diameter x 1m	NO	774.00
16	200mm diameter x 2m	NO	1,008.00
17	200mm diameter x 3m	NO	1,242.00
18	200mm diameter x 6m	NO	1,944.00
19	250mm diameter x 300mm	NO	817.00
20	250mm diameter x 600mm	NO	914.00
21	250mm diameter x 1m	NO	1,044.00
22	250mm diameter x 2m	NO	1,368.00
23	250mm diameter x 3m	NO	1,692.00
24	250mm diameter x 6m	NO	2,664.00
25	300mm diameter x 300mm	NO	1,199.00
26	300mm diameter x 600mm	NO	1,318.00
27	300mm diameter x 1m	NO	1,476.00
28	300mm diameter x 2m	NO	1,872.00
29	300mm diameter x 3m	NO	2,268.00
30	300mm diameter x 6m	NO	3,456.00
31	350mm diameter x 300mm	NO	1,588.00
32	350mm diameter x 600mm	NO	1,735.00
33	350mm diameter x 1m	NO	1,932.00
34	350mm diameter x 2m	NO	2,424.00
35	350mm diameter x 3m	NO	2,916.00
36	350mm diameter x 6m	NO	4,392.00
37	400mm diameter x 300mm	NO	1,980.00
38	400mm diameter x 600mm	NO	2,160.00
39	400mm diameter x 1m	NO	2,400.00
40	400mm diameter x 2m	NO	3,000.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
41	400mm diameter x 3m	NO	3,600.00
42	400mm diameter x 6m	NO	5,400.00
43	450mm diameter x 300mm	NO	2,611.00
44	450mm diameter x 600mm	NO	2,821.00
45	450mm diameter x 1m	NO	3,102.00
46	450mm diameter x 2m	NO	3,804.00
47	450mm diameter x 3m	NO	4,506.00
48	450mm diameter x 6m	NO	6,612.00
49	500mm diameter x 300mm	NO	3,372.00
50	500mm diameter x 600mm	NO	3,624.00
51	500mm diameter x 1m	NO	3,960.00
52	500mm diameter x 2m	NO	4,800.00
53	500mm diameter x 3m	NO	5,640.00
54	500mm diameter x 6m	NO	8,160.00
55	600mm diameter x 300mm	NO	3,942.00
56	600mm diameter x 600mm	NO	4,284.00
57	600mm diameter x 1m	NO	4,740.00
58	600mm diameter x 2m	NO	5,880.00
59	600mm diameter x 3m	NO	7,020.00
60	600mm diameter x 6m	NO	10,440.00
61	700mm diameter x 300mm	NO	5,250.00
62	700mm diameter x 600mm	NO	5,700.00
63	700mm diameter x 1m	NO	6,300.00
64	700mm diameter x 2m	NO	7,800.00
65	700mm diameter x 3m	NO	9,300.00
66	700mm diameter x 6m	NO	13,800.00
67	800mm diameter x 300mm	NO	7,794.00
68	800mm diameter x 600mm	NO	8,388.00
69	800mm diameter x 1m	NO	9,180.00
70	800mm diameter x 2m	NO	11,160.00
71	800mm diameter x 3m	NO	13,140.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
72	800mm diameter x 6m	NO	19,080.00
C	**Flanged with Spigot-end Ductile Iron Pipe, Cement-Lined (DICL), Class 40, complying with BS EN 545:2010, with external coated metallic zinc and bitumen layer.**		
1	100mm diameter x 300mm	NO	239.00
2	100mm diameter x 600mm	NO	291.00
3	150mm diameter x 300mm	NO	247.00
4	150mm diameter x 600mm	NO	301.00
5	150mm diameter x 1m	NO	373.00
6	150mm diameter x 2m	NO	553.00
7	150mm diameter x 3m	NO	733.00
8	150mm diameter x 6m	NO	1,273.00
9	200mm diameter x 300mm	NO	357.00
10	200mm diameter x 600mm	NO	427.00
11	200mm diameter x 1m	NO	521.00
12	200mm diameter x 2m	NO	755.00
13	200mm diameter x 3m	NO	989.00
14	200mm diameter x 6m	NO	1,691.00
15	250mm diameter x 300mm	NO	482.00
16	250mm diameter x 600mm	NO	580.00
17	250 mm diameter x 1 m	NO	709.00
18	250mm diameter x 2m	NO	1,033.00
19	250mm diameter x 3m	NO	1,357.00
20	250mm diameter x 6m	NO	2,329.00
21	300mm diameter x 300mm	NO	701.00
22	300mm diameter x 600mm	NO	820.00
23	300mm diameter x 1 m	NO	978.00
24	300mm diameter x 2m	NO	1,374.00
25	300mm diameter x 3m	NO	1,770.00
26	300mm diameter x 6m	NO	2,958.00
27	350mm diameter x 300mm	NO	934.00
28	350mm diameter x 600mm	NO	1,081.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
29	350mm diameter x 1m	NO	1,278.00
30	350mm diameter x 2m	NO	1,770.00
31	350mm diameter x 3m	NO	2,262.00
32	350mm diameter x 6m	NO	3,738.00
33	400mm diameter x 300mm	NO	1,182.00
34	400mm diameter x 600mm	NO	1,362.00
35	400mm diameter x 1m	NO	1,602.00
36	400mm diameter x 2m	NO	2,202.00
37	400mm diameter x 3m	NO	2,802.00
38	400mm diameter x 6m	NO	4,602.00
39	450mm diameter x 300mm	NO	1,531.00
40	450mm diameter x 600mm	NO	1,741.00
41	450mm diameter x 1m	NO	2,022.00
42	450mm diameter x 2m	NO	2,724.00
43	450mm diameter x 3m	NO	3,426.00
44	450mm diameter x 6m	NO	5,532.00
45	500mm diameter x 300mm	NO	1,980.00
46	500mm diameter x 600mm	NO	2,232.00
47	500mm diameter x 1m	NO	2,568.00
48	500mm diameter x 2m	NO	3,408.00
49	500mm diameter x 3m	NO	4,248.00
50	500mm diameter x 6m	NO	6,768.00
51	600mm diameter x 300mm	NO	2,346.00
52	600mm diameter x 600mm	NO	2,688.00
53	600mm diameter x 1m	NO	3,144.00
54	600mm diameter x 2m	NO	4,284.00
55	600mm diameter x 3m	NO	5,424.00
56	600mm diameter x 6m	NO	8,844.00
57	700mm diameter x 300mm	NO	3,102.00
58	700mm diameter x 600mm	NO	3,552.00
59	700mm diameter x 1m	NO	4,152.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
60	700mm diameter x 2m	NO	5,652.00
61	700mm diameter x 3m	NO	7,152.00
62	700mm diameter x 6m	NO	11,652.00
63	800mm diameter x 300mm	NO	4,494.00
64	800mm diameter x 600mm	NO	5,088.00
65	800mm diameter x 1m	NO	5,880.00
66	800mm diameter x 2m	NO	7,860.00
67	800mm diameter x 3m	NO	9,840.00
68	800mm diameter x 6m	NO	15,780.00
D	**Double Flange Ductile Iron Bends, PN16**		
1	80mm diameter x 11.25 degree	NO	75.00
2	80mm diameter x 22.5 degree	NO	98.00
3	800mm diameter x 45 degree	NO	117.00
4	80mm diameter x 90 degree	NO	121.00
5	100mm diameter x 11.25 degree	NO	90.00
6	100mm diameter x 22.5 degree	NO	120.00
7	100mm diameter x 45 degree	NO	140.00
8	100mm diameter x 90 degree	NO	149.00
9	150mm diameter x 11.25 degree	NO	164.00
10	150mm diameter x 22.5 degree	NO	192.00
11	150mm diameter x 45 degree	NO	230.00
12	150mm diameter x 90 degree	NO	248.00
13	200mm diameter x 11.25 degree	NO	240.00
14	200mm diameter x 22.5 degree	NO	270.00
15	200mm diameter x 45 degree	NO	335.00
16	200mm diameter x 90 degree	NO	378.00
17	250mm diameter x 11.25 degree	NO	480.00
18	250mm diameter x 22.5 degree	NO	510.00
19	250mm diameter x 45 degree	NO	545.00
20	250mm diameter x 90 degree	NO	607.00
21	300mm diameter x 11.25 degree	NO	678.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
22	300mm diameter x 22.5 degree	NO	690.00
23	300mm diameter x 45 degree	NO	815.00
24	300mm diameter x 90 degree	NO	864.00
25	350mm diameter x 11.25 degree	NO	759.00
26	350mm diameter x 22.5 degree	NO	780.00
27	350mm diameter x 45 degree	NO	1,049.00
28	350mm diameter x 90 degree	NO	1,211.00
29	400mm diameter x 11.25 degree	NO	935.00
30	400mm diameter x 22.5 degree	NO	990.00
31	400mm diameter x 45 degree	NO	1,280.00
32	400mm diameter x 90 degree	NO	1,519.00
33	450mm diameter x 11.25 degree	NO	1,188.00
34	450mm diameter x 22.5 degree	NO	1,254.00
35	450mm diameter x 45 degree	NO	1,602.00
36	450mm diameter x 90 degree	NO	1,924.00
37	500mm diameter x 11.25 degree	NO	1,650.00
38	500mm diameter x 22.5 degree	NO	1,680.00
39	500mm diameter x 45 degree	NO	2,092.00
40	500mm diameter x 90 degree	NO	2,520.00
41	600mm diameter x 11.25 degree	NO	2,442.00
42	600mm diameter x 22.5 degree	NO	2,475.00
43	600mm diameter x 45 degree	NO	3,614.00
44	600mm diameter x 90 degree	NO	4,208.00
45	700mm diameter x 11.25 degree	NO	3,102.00
46	700mm diameter x 22.5 degree	NO	3,135.00
47	700mm diameter x 45 degree	NO	4,455.00
48	700mm diameter x 90 degree	NO	6,732.00
49	800mm diameter x 11.25 degree	NO	4,050.00
50	800mm diameter x 22.5 degree	NO	4,125.00
51	800mm diameter x 45 degree	NO	5,877.00
52	800mm diameter x 90 degree	NO	8,168.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
E	**Ductile Iron Bends with Mechanical Joints, PN16**		
1	80mm diameter x 11.25 degree	NO	150.00
2	80mm diameter x 22.5 degree	NO	151.00
3	800mm diameter x 45 degree	NO	155.00
4	80mm diameter x 90 degree	NO	142.00
5	100mm diameter x 11.25 degree	NO	194.00
6	100mm diameter x 22.5 degree	NO	209.00
7	100mm diameter x 45 degree	NO	215.00
8	100mm diameter x 90 degree	NO	226.00
9	150mm diameter x 11.25 degree	NO	282.00
10	150mm diameter x 22.5 degree	NO	305.00
11	150mm diameter x 45 degree	NO	318.00
12	150mm diameter x 90 degree	NO	342.00
13	200mm diameter x 11.25 degree	NO	368.00
14	200mm diameter x 22.5 degree	NO	402.00
15	200mm diameter x 45 degree	NO	427.00
16	200mm diameter x 90 degree	NO	476.00
17	250mm diameter x 11.25 degree	NO	494.00
18	250mm diameter x 22.5 degree	NO	526.00
19	250mm diameter x 45 degree	NO	564.00
20	250mm diameter x 90 degree	NO	647.00
21	300mm diameter x 11.25 degree	NO	714.00
22	300mm diameter x 22.5 degree	NO	731.00
23	300mm diameter x 45 degree	NO	812.00
24	300mm diameter x 90 degree	NO	936.00
25	350mm diameter x 11.25 degree	NO	856.00
26	350mm diameter x 22.5 degree	NO	900.00
27	350mm diameter x 45 degree	NO	1,022.00
28	350mm diameter x 90 degree	NO	1,236.00
29	400mm diameter x 11.25 degree	NO	958.00
30	400mm diameter x 22.5 degree	NO	1,046.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
31	400mm diameter x 45 degree	NO	1,170.00
32	400mm diameter x 90 degree	NO	1,468.00
33	450mm diameter x 11.25 degree	NO	1,141.00
34	450mm diameter x 22.5 degree	NO	1,308.00
35	450mm diameter x 45 degree	NO	1,499.00
36	450mm diameter x 90 degree	NO	1,790.00
37	500mm diameter x 11.25 degree	NO	1,334.00
38	500mm diameter x 22.5 degree	NO	1,452.00
39	500mm diameter x 45 degree	NO	1,680.00
40	500mm diameter x 90 degree	NO	2,168.00
41	600mm diameter x 11.25 degree	NO	1,601.00
42	600mm diameter x 22.5 degree	NO	1,742.00
43	600mm diameter x 45 degree	NO	2,016.00
44	600mm diameter x 90 degree	NO	2,602.00
45	700mm diameter x 11.25 degree	NO	1,922.00
46	700mm diameter x 22.5 degree	NO	2,091.00
47	700mm diameter x 45 degree	NO	2,419.00
48	700mm diameter x 90 degree	NO	3,122.00
49	800mm diameter x 11.25 degree	NO	2,306.00
50	800mm diameter x 22.5 degree	NO	2,509.00
51	800mm diameter x 45 degree	NO	2,903.00
52	800mm diameter x 90 degree	NO	3,747.00
F	**Double Flange Ductile Iron Concentric Taper, PN16**		
1	150mm x 100mm	NO	263.00
2	200mm x 100mm	NO	472.00
3	200mm x 150mm	NO	378.00
4	250mm x 100mm	NO	728.00
5	250mm x 150mm	NO	669.00
6	250mm x 200mm	NO	523.00
7	300mm x 100mm	NO	660.00
8	300mm x 150mm	NO	832.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
9	300mm x 200mm	NO	884.00
10	300mm x 250mm	NO	686.00
11	350mm x 100mm	NO	828.00
12	350mm x 150mm	NO	978.00
13	350mm x 200mm	NO	1,098.00
14	350mm x 250mm	NO	1,188.00
15	350mm x 300mm	NO	901.00
16	400mm x 100mm	NO	918.00
17	400mm x 150mm	NO	1,074.00
18	400mm x 200mm	NO	1,330.00
19	400mm x 250mm	NO	1,399.00
20	400mm x 300mm	NO	1,459.00
21	400mm x 350mm	NO	1,155.00
22	450mm x 100mm	NO	1,914.00
23	450mm x 150mm	NO	2,018.00
24	450mm x 200mm	NO	2,058.00
25	450mm x 250mm	NO	1,665.00
26	450mm x 300mm	NO	1,733.00
27	450mm x 350mm	NO	1,848.00
28	450mm x 400mm	NO	1,424.00
29	500mm x 100mm	NO	1,620.00
30	500mm x 150mm	NO	1,770.00
31	500mm x 200mm	NO	1,855.00
32	500mm x 250mm	NO	2,112.00
33	500mm x 300mm	NO	2,244.00
34	500mm x 350mm	NO	2,376.00
35	500mm x 400mm	NO	2,508.00
36	500mm x 450mm	NO	1,980.00
G	**All flanged Ductile Iron tee, PN16**		
1	100mm x 80mm	NO	319.00
2	100mm x 100mm	NO	335.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
3	150mm x 80mm	NO	498.00
4	150mm x 100mm	NO	515.00
5	150mm x 150mm	NO	575.00
6	200mm x 80mm	NO	729.00
7	200mm x 100mm	NO	746.00
8	200mm x 150mm	NO	798.00
9	200mm x 200mm	NO	867.00
10	250mm x 80mm	NO	944.00
11	250mm x 100mm	NO	1,158.00
12	250mm x 150mm	NO	1,107.00
13	250mm x 200mm	NO	1,304.00
14	250mm x 250mm	NO	1,424.00
15	300mm x 80mm	NO	1,562.00
16	300mm x 100mm	NO	1,604.00
17	300mm x 150mm	NO	1,690.00
18	300mm x 200mm	NO	1,750.00
19	300mm x 250mm	NO	1,888.00
20	300mm x 300mm	NO	1,991.00
21	350mm x 80mm	NO	1,749.00
22	350mm x 100mm	NO	2,111.00
23	350mm x 150mm	NO	2,162.00
24	350mm x 200mm	NO	2,214.00
25	350mm x 250mm	NO	2,437.00
26	350mm x 300mm	NO	2,488.00
27	350mm x 350mm	NO	2,625.00
28	400mm x 80mm	NO	2,660.00
29	400mm x 100mm	NO	2,660.00
30	400mm x 150mm	NO	2,711.00
31	400mm x 200mm	NO	2,763.00
32	400mm x 250mm	NO	3,003.00
33	400mm x 300mm	NO	3,037.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
34	400mm x 350mm	NO	3,312.00
35	400mm x 400mm	NO	3,312.00
36	450mm x 80mm	NO	3,312.00
37	450mm x 100mm	NO	3,312.00
38	450mm x 150mm	NO	3,363.00
39	450mm x 200mm	NO	3,415.00
40	450mm x 250mm	NO	3,655.00
41	450mm x 300mm	NO	3,828.00
42	450mm x 350mm	NO	3,960.00
43	450mm x 400mm	NO	4,092.00
44	450mm x 450mm	NO	4,224.00
45	500mm x 80mm	NO	4,224.00
46	500mm x 100mm	NO	4,290.00
47	500mm x 150mm	NO	4,356.00
48	500mm x 200mm	NO	4,488.00
49	500mm x 250mm	NO	4,554.00
50	500mm x 300mm	NO	4,686.00
51	500mm x 350mm	NO	4,818.00
52	500mm x 400mm	NO	4,950.00
53	500mm x 450mm	NO	5,082.00
54	500mm x 500mm	NO	5,280.00
55	600mm x 80mm	NO	6,075.00
56	600mm x 100mm	NO	6,109.00
57	600mm x 150mm	NO	6,109.00
58	600mm x 200mm	NO	6,143.00
59	600mm x 250mm	NO	6,435.00
60	600mm x 300mm	NO	6,435.00
61	600mm x 350mm	NO	6,692.00
62	600mm x 400mm	NO	6,641.00
63	600mm x 450mm	NO	7,413.00
64	600mm x 500mm	NO	7,465.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
65	600mm x 600mm	NO	8,580.00
66	700mm x 80mm	NO	5,148.00
67	700mm x 100mm	NO	5,280.00
68	700mm x 150mm	NO	5,412.00
69	700mm x 200mm	NO	5,610.00
70	700mm x 250mm	NO	6,270.00
71	700mm x 300mm	NO	6,600.00
72	700mm x 350mm	NO	7,128.00
73	700mm x 400mm	NO	7,590.00
74	700mm x 450mm	NO	7,920.00
75	700mm x 500mm	NO	8,910.00
76	700mm x 600mm	NO	10,230.00
77	700mm x 700mm	NO	10,560.00
78	800mm x 80mm	NO	6,384.00
79	800mm x 100mm	NO	6,900.00
80	800mm x 150mm	NO	7,260.00
81	800mm x 200mm	NO	7,590.00
82	800mm x 250mm	NO	8,250.00
83	800mm x 300mm	NO	8,448.00
84	800mm x 350mm	NO	8,910.00
85	800mm x 400mm	NO	9,240.00
86	800mm x 450mm	NO	9,900.00
87	800mm x 500mm	NO	10,560.00
88	800mm x 600mm	NO	13,860.00
89	800mm x 700mm	NO	14,190.00
90	800mm x 800mm	NO	14,850.00
H	**Clamp Tee, PN16**		
1	100mm x 100mm	NO	5,332.00
2	150mm x 100mm	NO	5,564.00
3	150mm x 150mm	NO	5,796.00
4	200mm x 100mm	NO	6,955.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
5	200mm x 150mm	NO	7,187.00
6	200mm x 200mm	NO	7,883.00
7	250mm x 100mm	NO	1,377.00
8	250mm x 150mm	NO	1,483.00
9	250mm x 200mm	NO	1,603.00
10	250mm x 250mm	NO	1,846.00
11	300mm x 100mm	NO	1,821.00
12	300mm x 150mm	NO	1,922.00
13	300mm x 200mm	NO	2,236.00
14	300mm x 250mm	NO	2,575.00
15	300mm x 300mm	NO	3,090.00
16	350mm x 100mm	NO	2,361.00
17	350mm x 150mm	NO	2,751.00
18	350mm x 200mm	NO	2,939.00
19	250mm x 250mm	NO	1,846.00
20	350mm x 300mm	NO	3,253.00
21	350mm x 350mm	NO	3,642.00
22	400mm x 100mm	NO	2,638.00
23	400mm x 150mm	NO	2,864.00
24	400mm x 200mm	NO	3,165.00
25	400mm x 250mm	NO	3,467.00
26	400mm x 300mm	NO	4,019.00
27	400mm x 350mm	NO	4,320.00
28	400mm x 400mm	NO	4,396.00
29	450mm x 100mm	NO	3,793.00
30	450mm x 150mm	NO	4,094.00
31	450mm x 200mm	NO	4,421.00
32	450mm x 250mm	NO	4,873.00
33	450mm x 300mm	NO	5,300.00
34	450mm x 350mm	NO	6,279.00
35	450mm x 400mm	NO	8,288.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
36	450mm x 450mm	NO	10,549.00
37	500mm x 100mm	NO	5,237.00
38	500mm x 150mm	NO	6,242.00
39	500mm x 200mm	NO	6,707.00
40	500mm x 250mm	NO	7,158.00
41	500mm x 300mm	NO	7,786.00
42	500mm x 350mm	NO	8,791.00
43	500mm x 400mm	NO	9,544.00
44	500mm x 450mm	NO	11,302.00
45	500mm x 500mm	NO	13,060.00
I	**All Flange Invert Level Tee, PN16**		
1	150mm x 100mm	NO	532.00
2	200mm x 100mm	NO	755.00
3	200mm x 150mm	NO	891.00
4	250mm x 100mm	NO	1,184.00
5	250mm x 150mm	NO	1,321.00
6	300mm x 100mm	NO	1,647.00
7	300mm x 150mm	NO	1,716.00
8	350mm x 100mm	NO	2,145.00
9	350mm x 150mm	NO	2,196.00
10	400mm x 100mm	NO	2,677.00
11	400mm x 150mm	NO	2,780.00
12	450mm x 100mm	NO	3,243.00
13	450mm x 150mm	NO	3,381.00
14	500mm x 100mm	NO	4,023.00
15	500mm x 150mm	NO	4,256.00
16	600mm x 100mm	NO	6,030.00
17	600mm x 150mm	NO	6,178.00
18	700mm x 100mm	NO	5,790.00
19	700mm x 150mm	NO	5,940.00
20	800mm x 100mm	NO	8,418.00

SCHEDULE 1 - DUCTILE IRON (D.I.) PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
21	800mm x 150mm	NO	8,580.00
J	**D.I Joint Detachable L/Collar c/w bolts, nuts, rubber rings for HDPE Pipe**		
1	110mm	NO	288.00
2	160mm	NO	432.00
3	225mm	NO	768.00
4	250mm	NO	960.00
5	355mm	NO	1,440.00
6	400mm	NO	2,400.00
7	450mm	NO	2,880.00
8	500mm	NO	3,648.00
9	560mm	NO	4,800.00
10	630mm	NO	4,800.00

JABATAN BEKALAN AIR LUAR
BANDAR SARAWAK
2025

SCHEDULE OF RATES

SCHEDULE II

HDPE PIPES AND FITTINGS

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
A	**HDPE Pipes complying to MS1058:2005, PE100, PN10**		
1	32mm	M	2.00
2	50mm	M	5.00
3	63mm	M	8.00
4	75mm	M	11.00
5	90mm	M	16.00
6	110mm	M	23.00
7	160mm	M	47.00
8	225mm	M	93.00
9	250mm	M	114.00
10	280mm	M	143.00
11	315mm	M	181.00
12	355mm	M	231.00
13	450mm	M	370.00
14	500mm	M	443.00
15	630mm	M	725.00
B	**HDPE Pipes complying to MS1058:2005, HDPE Pipes, PE100, PN12.5**		
1	25mm	M	2.00
2	32mm	M	3.00
3	50mm	M	6.00
4	63mm	M	10.00
5	75mm	M	14.00
6	90mm	M	20.00
7	110mm	M	27.00
8	160mm	M	57.00
9	225mm	M	113.00
10	250mm	M	140.00
11	280mm	M	175.00
12	315mm	M	222.00
13	355mm	M	281.00
14	450mm	M	451.00

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
15	500mm	M	557.00
16	630mm	M	883.00
C	**HDPE Pipes complying to MS1058:2005, HDPE Pipes, PE100, PN16**		
1	20mm	M	1.30
2	25mm	M	2.00
3	32mm	M	3.00
4	50mm	M	7.00
5	63mm	M	12.00
6	75mm	M	16.00
7	90mm	M	23.00
8	110mm	M	32.00
9	160mm	M	68.00
10	225mm	M	133.00
11	250mm	M	164.00
12	280mm	M	205.00
13	315mm	M	260.00
14	355mm	M	330.00
15	450mm	M	531.00
16	500mm	M	655.00
17	630mm	M	1,040.00
D	**Compression Fittings**		
(i)	**HDPE Straight Coupler PN12.5**		
1	20mm	NO	2.00
2	25mm	NO	3.00
3	32mm	NO	4.00
4	50mm	NO	13.00
5	63mm	NO	17.00
6	75mm	NO	27.00
7	90mm	NO	34.00
8	110mm	NO	39.00

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
(ii)	**HDPE Male Threaded Adaptor PN12.5**		
1	20mm x 1/2"	NO	1.50
2	20mm x 3/4"	NO	2.00
3	25mm x 1/2"	NO	2.00
4	25mm x 3/4"	NO	2.00
5	25mm x 1"	NO	2.00
6	32mm x 3/4"	NO	3.00
7	32mm x 1"	NO	3.00
8	50mm x 1 1/2"	NO	7.00
9	63mm x 2"	NO	10.00
10	75mm x 2 1/2"	NO	18.00
11	90mm x 3"	NO	23.00
12	110mm x 4"	NO	26.00
(iii)	**HDPE Female Threaded Adaptor PN12.5**		
1	20mm x 1/2"	NO	2.00
2	20mm x 3/4"	NO	2.00
3	25mm x 1/2"	NO	2.00
4	25mm x 3/4"	NO	2.00
5	25mm x 1"	NO	2.00
6	32mm x 3/4"	NO	3.00
7	32mm x 1"	NO	3.00
8	50mm x 1 1/2"	NO	10.00
9	63mm x 2"	NO	15.00
10	75mm x 2 1/2"	NO	22.00
11	90mm x 3"	NO	27.00
12	110mm x 4"	NO	31.00
(iv)	**HDPE Male Threaded Bend/Elbow PN12.5**		
1	20mm x 1/2"	NO	2.00
2	20mm x 3/4"	NO	1.92
3	25mm x 1/2"	NO	2.40
4	25mm x 3/4"	NO	3.00
5	25mm x 1"	NO	2.40

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
6	32mm x 3/4"	NO	3.60
7	32mm x 1"	NO	8.00
8	50mm x 1 1/2"	NO	10.00
9	63mm x 2"	NO	16.00
10	90mm x 3"	NO	56.00
(v)	**HDPE Female Threaded Bend/Elbow PN12.5**		
1	20mm x 1/2"	NO	2.00
2	20mm x 3/4"	NO	1.92
3	25mm x 3/4"	NO	3.00
4	25mm x 1"	NO	1.26
5	32mm x 3/4"	NO	4.00
6	32mm x 1"	NO	4.00
7	50mm x 1 1/2"	NO	12.00
8	63mm x 2"	NO	18.00
9	90mm x 3"	NO	56.00
10	110mm x 4"	NO	72.00
(vi)	**HDPE Equal Elbow PN12.5**		
1	20mm	NO	2.20
2	25mm	NO	2.80
3	32mm	NO	4.10
4	50mm	NO	11.40
5	63mm	NO	17.60
6	90mm	NO	46.20
7	110mm	NO	159.20
(vii)	**HDPE Equal Tee PN12.5**		
1	20mm	NO	2.90
2	25mm	NO	3.80
3	32mm	NO	6.00
4	50mm	NO	16.50
5	63mm	NO	26.60
6	75mm	NO	58.60
7	90mm	NO	70.30

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
8	110mm	NO	224.40
(viii)	**HDPE Reducing Tee PN12.5**		
1	25mm x 20mm	NO	3.90
2	32mm x 20mm	NO	5.60
3	32mm x 25mm	NO	5.60
4	50mm x 32mm	NO	16.80
5	63mm x 50mm	NO	25.80
6	90mm x 63mm	NO	100.00
(ix)	**HDPE Tapping (Clamp) Saddle PN12.5**		
1	32mm x 1/2"	NO	4.00
2	32mm x 3/4"	NO	4.00
3	32mm x 1"	NO	4.00
4	50mm x 1/2"	NO	5.50
5	50mm x 3/4"	NO	5.50
6	50mm x 1"	NO	5.50
7	63mm x 1/2"	NO	6.80
8	63mm x 3/4"	NO	6.80
9	63mm x 1"	NO	6.80
10	75mm x 1/2"	NO	13.50
11	75mm x 3/4"	NO	13.50
12	75mm x 1 1/2"	NO	13.50
13	75mm x 2"	NO	13.50
14	90mm x 1/2"	NO	14.30
15	90mm x 3/4"	NO	14.30
16	90mm x 1 1/2"	NO	14.30
17	90mm x 2"	NO	14.30
18	110mm x 1/2"	NO	17.40
19	110mm x 3/4"	NO	17.40
20	110mm x 1 1/2"	NO	17.40
21	110mm x 2"	NO	17.40
22	125mm x 1/2"	NO	24.20
23	125mm x 3/4"	NO	24.20
24	125mm x 1 1/2"	NO	24.20

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
25	125mm x 2"	NO	24.20
26	160mm x 1/2"	NO	30.80
27	160mm x 3/4"	NO	30.80
28	160mm x 1 1/2"	NO	30.80
29	160mm x 2"	NO	30.80
30	180mm x 1/2"	NO	48.70
31	180mm x 3/4"	NO	48.70
32	180mm x 1 1/2"	NO	48.70
33	180mm x 2"	NO	48.70
34	225mm x 1/2"	NO	72.50
35	225mm x 3/4"	NO	72.50
36	225mm x 1 1/2"	NO	72.50
37	225mm x 2"	NO	72.50
(x)	**Long Collar/Tail HDPE Stub End PN12.5 c/w Ductile Iron Slip-On Flange (PE100)**		
1	110mm	NO	83.00
2	160mm	NO	120.00
3	225mm	NO	190.00
4	250mm	NO	152.00
5	280mm	NO	284.00
6	355mm	NO	738.00
7	400mm	NO	940.00
8	450mm	NO	1,210.00
9	500mm	NO	2,952.00
10	560mm	NO	3,897.00
11	630mm	NO	5,092.00
E	**Electrofusion Fittings**		
(i)	**Electrofusion Coupler, PN12.5**		
1	20mm	NO	19.00
2	25mm	NO	20.00
3	32mm	NO	23.00
4	63mm	NO	31.00
5	90mm	NO	22.00

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
6	110mm	NO	58.00
7	160mm	NO	87.00
8	225mm	NO	222.00
9	280mm	NO	482.00
10	315mm	NO	653.00
11	355mm	NO	757.00
12	400mm	NO	1,586.00
13	450mm	NO	3,255.00
14	500mm	NO	3,617.00
15	560mm	NO	4,019.00
16	630mm	NO	4,466.00
(ii)	**Electrofusion Reducing Coupler, PN12.5**		
1	32mm x 25mm	NO	3.30
2	32mm x 20mm	NO	3.30
3	50mm x 32mm	NO	7.70
4	50mm x 25mm	NO	7.70
5	50mm x 20mm	NO	7.70
6	63mm x 50mm	NO	11.30
7	63mm x 32mm	NO	11.30
8	63mm x 25mm	NO	11.30
9	63mm x 20mm	NO	11.30
10	90mm x 75mm	NO	38.10
11	90mm x 63mm	NO	34.70
12	90mm x 32mm	NO	34.70
13	110mm x 90mm	NO	179.50
14	110mm x 75mm	NO	179.50
15	110mm x 63mm	NO	179.50
16	110mm x 50mm	NO	179.50
17	125mm x 110mm	NO	226.20
18	125mm x 90mm	NO	226.20
19	125mm x 75mm	NO	226.20
20	125mm x 63mm	NO	226.20
21	160mm x 110mm	NO	309.70

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
22	160mm x 90mm	NO	309.70
23	180mm x 160mm	NO	309.70
(iii)	**Electrofusion Equal and Unequal Tee, PN12.5**		
1	25mm x 25mm	NO	3.80
2	25mm x 20mm	NO	3.80
3	32mm x 32mm	NO	6.00
4	50mm x 25mm	NO	16.50
5	50mm x 20mm	NO	16.50
6	50mm x 75mm	NO	16.50
7	63mm x 63mm	NO	26.60
8	63mm x 50mm	NO	26.60
9	63mm x 32mm	NO	26.60
10	63mm x 25mm	NO	26.60
11	63mm x 20mm	NO	26.60
12	75mm x 75mm	NO	58.60
13	90mm x 90mm	NO	70.30
14	90mm x 75mm	NO	70.30
15	90mm x 63mm	NO	70.30
16	90mm x 50mm	NO	70.30
17	90mm x 32mm	NO	70.30
(iv)	**Electrofusion End Cap, PN12.5**		
1	20mm	NO	1.10
2	25mm	NO	1.50
3	32mm	NO	2.00
4	50mm	NO	5.90
5	63mm	NO	8.20
6	75mm	NO	20.50
7	90mm	NO	26.40
8	110mm	NO	138.80
9	125mm	NO	166.50
10	160mm	NO	174.90
11	225mm	NO	183.20
12	250mm	NO	191.50

SCHEDULE II - HDPE PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
13	280mm	NO	208.20
14	355mm	NO	216.50
15	400mm	NO	220.20
16	450mm	NO	223.80
17	500mm	NO	227.80
18	560mm	NO	232.50
19	630mm	NO	239.40
(v)	**Electrofusion Tapping Tee (Top Loading), PN12.5**		
1	63mm x 25mm	NO	107.00
2	110mm x 25mm	NO	132.00
3	160mm x 25mm	NO	144.00
4	225mm x 25mm	NO	282.00
5	280mm x 25mm	NO	282.00
6	355mm x 25mm	NO	300.00
7	400mm x 25mm	NO	330.00
8	450mm x 25mm	NO	364.00
9	500mm x 25mm	NO	400.00
10	560mm x 25mm	NO	439.00
11	630mm x 25mm	NO	484.00
12	63mm x 32mm	NO	107.00
13	110mm x 32mm	NO	132.00
14	160mm x 32mm	NO	144.00
15	225mm x 32mm	NO	282.00
16	355mm x 32mm	NO	311.00
17	400mm x 32mm	NO	341.00
18	450mm x 32mm	NO	374.00
19	500mm x 32mm	NO	412.00
20	560mm x 32mm	NO	452.00
21	630mm x 32mm	NO	498.00

JABATAN BEKALAN AIR LUAR
BANDAR SARAWAK
2025
SCHEDULE OF RATES

SCHEDULE III

MSCL PIPES AND FITTINGS

SCHEDULE III - MSCL PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
A	**Mild Steel Cement Lining (MSCL) Spigot Socket with Bitumen Wrapping and Zinc Chromate complying to BS534:1990**		
1	300mm nominal diameter	M	298.00
2	400mm nominal diameter	M	384.00
3	450mm nominal diameter	M	456.00
4	500mm nominal diameter	M	505.00
5	550mm nominal diameter	M	696.00
6	600mm nominal diameter	M	701.00
7	650mm nominal diameter	M	756.00
8	700mm nominal diameter	M	816.00
9	750mm nominal diameter	M	877.00
10	800mm nominal diameter	M	1,023.00
11	850mm nominal diameter	M	1,087.00
12	900mm nominal diameter	M	1,149.00
13	1000mm nominal diameter	M	1,281.00
14	1200mm nominal diameter	M	1,680.00
15	1400mm nominal diameter	M	2,202.00
16	1600mm nominal diameter	M	2,867.00
B	**Mild Steel Cement Lining (MSCL) Pipe Plain End with Mechanical Coupling with Bitumen Wrapping and Zinc Chromate complying to BS534:1990**		
1	300mm nominal diameter	NO	174.00
2	400mm nominal diameter	NO	200.00
3	450mm nominal diameter	NO	222.00
4	500mm nominal diameter	NO	239.00
5	600mm nominal diameter	NO	282.00
6	650mm nominal diameter	NO	319.00
7	700mm nominal diameter	NO	342.00
8	750mm nominal diameter	NO	372.00
9	800mm nominal diameter	NO	395.00
10	850mm nominal diameter	NO	433.00

SCHEDULE III - MSCL PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
11	900mm nominal diameter	NO	461.00
12	950mm nominal diameter	NO	484.00
13	1000mm nominal diameter	NO	508.00
14	1100mm nominal diameter	NO	661.00
15	1200mm nominal diameter	NO	774.00
16	1400mm nominal diameter	NO	848.00
17	1600mm nominal diameter	NO	1,032.00
C	**MSCL Plain End Tee, PN16 to complying to BS534**		
1	450mm x 150mm nominal diameter	NO	836.00
2	450mm x 200mm nominal diameter	NO	939.00
3	450mm x 250mm nominal diameter	NO	974.00
4	450mm x 300mm nominal diameter	NO	782.00
5	450mm x 350mm nominal diameter	NO	874.00
6	450mm x 400mm nominal diameter	NO	1,267.00
7	500mm x 150mm nominal diameter	NO	931.00
8	500mm x 200mm nominal diameter	NO	1,034.00
9	500mm x 250mm nominal diameter	NO	1,077.00
10	500mm x 300mm nominal diameter	NO	1,138.00
11	500mm x 350mm nominal diameter	NO	1,276.00
12	500mm x 400mm nominal diameter	NO	1,405.00
13	500mm x 450mm nominal diameter	NO	1,603.00
14	600mm x 150mm nominal diameter	NO	1,353.00
15	600mm x 200mm nominal diameter	NO	1,370.00
16	600mm x 250mm nominal diameter	NO	1,422.00
17	600mm x 300mm nominal diameter	NO	1,517.00
18	600mm x 350mm nominal diameter	NO	1,698.00
19	600mm x 400mm nominal diameter	NO	1,879.00
20	600mm x 450mm nominal diameter	NO	2,137.00
21	600mm x 500mm nominal diameter	NO	2,370.00
22	600mm x 550mm nominal diameter	NO	2,706.00
23	700mm x 150mm nominal diameter	NO	1,620.00

SCHEDULE III - MSCL PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
24	700mm x 200mm nominal diameter	NO	1,818.00
25	700mm x 250mm nominal diameter	NO	1,818.00
26	700mm x 300mm nominal diameter	NO	1,948.00
27	700mm x 350mm nominal diameter	NO	2,180.00
28	700mm x 400mm nominal diameter	NO	2,413.00
29	700mm x 450mm nominal diameter	NO	2,749.00
30	700mm x 500mm nominal diameter	NO	3,042.00
31	700mm x 550mm nominal diameter	NO	3,490.00
32	700mm x 600mm nominal diameter	NO	3,792.00
33	700mm x 650mm nominal diameter	NO	4,111.00
34	750mm x 150mm nominal diameter	NO	1,818.00
35	750mm x 200mm nominal diameter	NO	1,939.00
36	750mm x 250mm nominal diameter	NO	1,931.00
37	750mm x 300mm nominal diameter	NO	2,068.00
38	750mm x 350mm nominal diameter	NO	2,310.00
39	750mm x 400mm nominal diameter	NO	2,560.00
40	750mm x 450mm nominal diameter	NO	2,922.00
41	750mm x 500mm nominal diameter	NO	3,232.00
42	750mm x 550mm nominal diameter	NO	3,697.00
43	750mm x 600mm nominal diameter	NO	4,025.00
44	750mm x 650mm nominal diameter	NO	4,361.00
45	750mm x 700mm nominal diameter	NO	4,688.00
46	800mm x 150mm nominal diameter	NO	2,103.00
47	800mm x 200mm nominal diameter	NO	2,215.00
48	800mm x 250mm nominal diameter	NO	2,224.00
49	800mm x 300mm nominal diameter	NO	2,379.00
50	800mm x 350mm nominal diameter	NO	2,663.00
51	800mm x 400mm nominal diameter	NO	2,956.00
52	800mm x 450mm nominal diameter	NO	3,353.00
53	800mm x 500mm nominal diameter	NO	3,715.00
54	800mm x 550mm nominal diameter	NO	4,232.00

SCHEDULE III - MSCL PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
55	800mm x 600mm nominal diameter	NO	4,611.00
56	800mm x 650mm nominal diameter	NO	4,990.00
57	800mm x 700mm nominal diameter	NO	5,361.00
58	800mm x 750mm nominal diameter	NO	5,740.00
59	850mm x 150mm nominal diameter	NO	2,344.00
60	850mm x 200mm nominal diameter	NO	2,465.00
61	850mm x 250mm nominal diameter	NO	2,448.00
62	850mm x 300mm nominal diameter	NO	2,508.00
63	850mm x 350mm nominal diameter	NO	2,810.00
64	850mm x 400mm nominal diameter	NO	3,120.00
65	850mm x 450mm nominal diameter	NO	3,542.00
66	850mm x 500mm nominal diameter	NO	3,921.00
67	850mm x 550mm nominal diameter	NO	4,464.00
68	850mm x 600mm nominal diameter	NO	4,861.00
69	850mm x 650mm nominal diameter	NO	5,266.00
70	850mm x 700mm nominal diameter	NO	5,662.00
71	850mm x 750mm nominal diameter	NO	6,059.00
72	850mm x 800mm nominal diameter	NO	6,602.00
D	**MSCL Tee with flanged branch, PN16 to complying to BS534**		
1	450mm x 150mm nominal diameter	NO	1,051.00
2	450mm x 200mm nominal diameter	NO	1,189.00
3	450mm x 250mm nominal diameter	NO	1,267.00
4	450mm x 300mm nominal diameter	NO	1,500.00
5	450mm x 350mm nominal diameter	NO	1,827.00
6	450mm x 400mm nominal diameter	NO	2,137.00
7	450mm nominal diameter equal tee	NO	2,551.00
8	500mm x 150mm nominal diameter	NO	1,146.00
9	500mm x 200mm nominal diameter	NO	1,284.00
10	500mm x 250mm nominal diameter	NO	1,370.00
11	500mm x 300mm nominal diameter	NO	1,620.00
12	500mm x 350mm nominal diameter	NO	1,956.00

SCHEDULE III - MSCL PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
13	500mm x 400mm nominal diameter	NO	2,284.00
14	500mm x 450mm nominal diameter	NO	2,715.00
15	500mm nominal diameter equal tee	NO	3,301.00
16	600mm x 150mm nominal diameter	NO	1,560.00
17	600mm x 200mm nominal diameter	NO	1,629.00
18	600mm x 250mm nominal diameter	NO	1,724.00
19	600mm x 300mm nominal diameter	NO	2,034.00
20	600mm x 350mm nominal diameter	NO	2,413.00
21	600mm x 400mm nominal diameter	NO	2,792.00
22	600mm x 450mm nominal diameter	NO	3,301.00
23	600mm x 500mm nominal diameter	NO	3,947.00
24	600mm x 550mm nominal diameter	NO	4,990.00
25	600mm nominal diameter equal tee	NO	5,361.00
26	700mm x 150mm nominal diameter	NO	2,137.00
27	700mm x 200mm nominal diameter	NO	2,353.00
28	700mm x 250mm nominal diameter	NO	2,448.00
29	700mm x 300mm nominal diameter	NO	2,698.00
30	700mm x 350mm nominal diameter	NO	3,180.00
31	700mm x 400mm nominal diameter	NO	3,663.00
32	700mm x 450mm nominal diameter	NO	4,309.00
33	700mm x 500mm nominal diameter	NO	5,111.00
34	700mm x 550mm nominal diameter	NO	6,395.00
35	700mm x 600mm nominal diameter	NO	6,886.00
36	700mm x 650mm nominal diameter	NO	7,791.00
37	700mm nominal diameter equal tee	NO	8,050.00
38	750mm x 150mm nominal diameter	NO	2,379.00
39	750mm x 200mm nominal diameter	NO	2,603.00
40	750mm x 250mm nominal diameter	NO	2,568.00
41	750mm x 300mm nominal diameter	NO	2,835.00
42	750mm x 350mm nominal diameter	NO	3,335.00
43	750mm x 400mm nominal diameter	NO	3,835.00

SCHEDULE III - MSCL PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
44	750mm x 450mm nominal diameter	NO	4,499.00
45	750mm x 500mm nominal diameter	NO	5,326.00
46	750mm x 550mm nominal diameter	NO	6,645.00
47	750mm x 600mm nominal diameter	NO	7,145.00
48	750mm x 650mm nominal diameter	NO	8,084.00
49	750mm x 700mm nominal diameter	NO	8,360.00
50	750mm nominal diameter equal tee	NO	9,497.00
51	800mm x 150mm nominal diameter	NO	2,732.00
52	800mm x 200mm nominal diameter	NO	2,947.00
53	800mm x 250mm nominal diameter	NO	3,085.00
54	800mm x 300mm nominal diameter	NO	3,206.00
55	800mm x 350mm nominal diameter	NO	3,732.00
56	800mm x 400mm nominal diameter	NO	4,292.00
57	800mm x 450mm nominal diameter	NO	5,007.00
58	800mm x 500mm nominal diameter	NO	5,886.00
59	800mm x 550mm nominal diameter	NO	7,257.00
60	800mm x 600mm nominal diameter	NO	7,817.00
61	800mm x 650mm nominal diameter	NO	8,808.00
62	800mm x 700mm nominal diameter	NO	9,144.00
63	800mm x 750mm nominal diameter	NO	10,325.00
64	800mm nominal diameter equal tee	NO	11,462.00
65	850mm x 150mm nominal diameter	NO	3,016.00
66	850mm x 200mm nominal diameter	NO	3,232.00
67	850mm x 250mm nominal diameter	NO	3,154.00
68	850mm x 300mm nominal diameter	NO	3,353.00
69	850mm x 350mm nominal diameter	NO	3,904.00
70	850mm x 400mm nominal diameter	NO	4,473.00
71	850mm x 450mm nominal diameter	NO	5,223.00
72	850mm x 500mm nominal diameter	NO	6,119.00
73	850mm x 550mm nominal diameter	NO	7,524.00
74	850mm x 600mm nominal diameter	NO	8,110.00

SCHEDULE III - MSCL PIPES AND FITTINGS

Item No.	Description	Unit	Rate (RM)
75	850mm x 650mm nominal diameter	NO	9,127.00
76	850mm x 700mm nominal diameter	NO	9,480.00
77	850mm x 750mm nominal diameter	NO	10,695.00
78	850mm x 800mm nominal diameter	NO	11,850.00
79	850mm nominal diameter equal tee	NO	14,996.00
E	**Concrete-Lined Mild Steel Welding Collars, PN16 complying with BS 534:1990**		
1	300mm nominal diameter	NO	102.00
2	400mm nominal diameter	NO	120.00
3	450mm nominal diameter	NO	163.00
4	500mm nominal diameter	NO	192.00
5	550mm nominal diameter	NO	225.00
6	600mm nominal diameter	NO	284.00
7	650mm nominal diameter	NO	313.00
8	700mm nominal diameter	NO	355.00
9	750mm nominal diameter	NO	391.00
10	800mm nominal diameter	NO	428.00
11	850mm nominal diameter	NO	477.00
12	900mm nominal diameter	NO	524.00
13	950mm nominal diameter	NO	598.00
14	1000mm nominal diameter	NO	840.00
15	1100mm nominal diameter	NO	951.00
16	1200mm nominal diameter	NO	1,092.00
17	1400mm nominal diameter	NO	1,140.00
18	1600mm nominal diameter	NO	1,290.00

JABATAN BEKALAN AIR LUAR
BANDAR SARAWAK
2025

SCHEDULE OF RATES

SCHEDULE IV

OTHER PIPES

SCHEDULE IV - OTHER PIPES

Item No.	Description	Unit	Rate (RM)
A	**Modified PVC (PVC-M) Pipe, PN12, to AS/NZS 4765:2007**		
1	100mm	M	76.00
2	150mm	M	91.00
3	175mm	M	123.00
4	200mm	M	264.00
5	225mm	M	306.00
6	250mm	M	413.00
7	300mm	M	320.00
8	375mm	M	536.00
B	**Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes, PN16, to ISO 16422:2000**		
1	90mm	M	84.00
2	110mm	M	96.00
3	160mm	M	150.00
4	200mm	M	273.00
5	250mm	M	342.00
6	315mm	M	505.00
7	355mm	M	467.00
8	400mm	M	573.00
9	450mm	M	737.00
10	500mm	M	891.00
11	630mm	M	1,314.00

JABATAN BEKALAN AIR LUAR BANDAR SARAWAK

2025

SCHEDULE OF RATES

SCHEDULE V

OTHER MATERIALS

SCHEDULE V - OTHER MATERIALS

Item No.	Description	Unit	Rate (RM)
A	**Valves and Hydrant**		
1	25mm Single Air Valve	NO	316.00
2	50mm Single Air Valve	NO	550.00
3	80mm Single Air Valve	NO	800.00
4	100mm Single Air Valve	NO	1,120.00
5	150mm Single Air Valve	NO	1,600.00
6	200mm Single Air Valve	NO	1,800.00
7	225mm Single Air Valve	NO	2,000.00
8	50mm Double Air Valve	NO	672.00
9	80mm Double Air Valve	NO	958.00
10	100mm Double Air Valve	NO	1,140.00
11	150mm Double Air Valve	NO	2,066.00
12	200mm Double Air Valve	NO	3,528.00
13	250mm Double Air Valve	NO	6,434.00
14	300mm Double Air Valve	NO	6,468.00
15	80mm Double Flange Gate Valve	NO	696.00
16	100mm Double Flange Gate Valve	NO	850.00
17	150mm Double Flange Gate Valve	NO	1,222.00
18	200mm Double Flange Gate Valve	NO	1,776.00
19	250mm Double Flange Gate Valve	NO	3,134.00
20	300mm Double Flange Gate Valve	NO	4,198.00
21	350mm Double Flange Gate Valve	NO	7,439.00
22	400mm Double Flange Gate Valve	NO	8,570.00
23	450mm Double Flange Gate Valve	NO	22,328.00
24	500mm Double Flange Gate Valve	NO	25,183.00
25	600mm Double Flange Gate Valve	NO	31,804.00
26	700mm Double Flange Gate Valve	NO	79,464.00
27	800mm Double Flange Gate Valve	NO	82,037.00
28	900mm Double Flange Gate Valve	NO	129,978.00
29	1000mm Double Flange Gate Valve	NO	165,559.00
30	50mm Altitude Valve	NO	9,223.00
31	100mm Altitude Valve	NO	11,016.00

SCHEDULE V - OTHER MATERIALS

Item No.	Description	Unit	Rate (RM)
32	150mm Altitude Valve	NO	14,148.00
33	200mm Altitude Valve	NO	18,355.00
34	250mm Altitude Valve	NO	25,067.00
35	300mm Altitude Valve	NO	29,808.00
36	350mm Altitude Valve	NO	35,770.00
37	400mm Altitude Valve	NO	57,294.00
38	450mm Altitude Valve	NO	62,672.00
39	500mm Altitude Valve	NO	80,568.00
45	100mm Butterfly Valve	NO	2,040.00
46	125mm Butterfly Valve	NO	1,836.00
47	150mm Butterfly Valve	NO	2,274.00
48	200mm Butterfly Valve	NO	3,612.00
49	250mm Butterfly Valve	NO	4,690.00
50	300mm Butterfly Valve	NO	5,840.00
51	350mm Butterfly Valve	NO	6,776.00
52	400mm Butterfly Valve	NO	7,927.00
53	450mm Butterfly Valve	NO	9,936.00
54	500mm Butterfly Valve	NO	11,868.00
55	600mm Butterfly Valve	NO	16,817.00
56	700mm Butterfly Valve	NO	22,980.00
57	750mm Butterfly Valve	NO	25,344.00
58	800mm Butterfly Valve	NO	29,443.00
59	900mm Butterfly Valve	NO	36,234.00
60	1000mm Butterfly Valve	NO	47,083.00
61	100mm Non Return Valve (NRV)	NO	797.00
62	150mm Non Return Valve (NRV)	NO	1,070.00
63	200mm Non Return Valve (NRV)	NO	1,895.00
64	250mm Non Return Valve (NRV)	NO	2,648.00
65	300mm Non Return Valve (NRV)	NO	3,226.00
66	350mm Non Return Valve (NRV)	NO	6,035.00
67	400mm Non Return Valve (NRV)	NO	9,838.00
68	450mm Non Return Valve (NRV)	NO	12,015.00

SCHEDULE V - OTHER MATERIALS

Item No.	Description	Unit	Rate (RM)
69	500mm Non Return Valve (NRV)	NO	14,609.00
70	600mm Non Return Valve (NRV)	NO	19,342.00
70	700mm Non Return Valve (NRV)	NO	39,446.00
70	750mm Non Return Valve (NRV)	NO	51,280.00
70	800mm Non Return Valve (NRV)	NO	72,334.00
70	900mm Non Return Valve (NRV)	NO	81,930.00
71	50mm Pressure Reducing Valve - full bore	NO	2,299.00
72	100mm Pressure Reducing Valve - full bore	NO	3,859.00
73	150mm Pressure Reducing Valve - full bore	NO	6,806.00
74	200mm Pressure Reducing Valve - full bore	NO	10,502.00
75	250mm Pressure Reducing Valve - full bore	NO	16,320.00
76	300mm Pressure Reducing Valve - full bore	NO	20,688.00
77	350mm Pressure Reducing Valve - full bore	NO	26,894.00
78	400mm Pressure Reducing Valve - full bore	NO	43,766.00
79	450mm Pressure Reducing Valve - full bore	NO	52,205.00
80	500mm Pressure Reducing Valve - full bore	NO	64,459.00
81	600mm Pressure Reducing Valve - full bore	NO	95,491.00
82	700mm Pressure Reducing Valve - full bore	NO	171,091.00
83	750mm Pressure Reducing Valve - full bore	NO	188,200.00
84	800mm Pressure Reducing Valve - full bore	NO	209,280.00
85	900mm Pressure Reducing Valve - full bore	NO	230,208.00
86	25mm Kinetic Air Valve	NO	960.00
87	50mm Kinetic Air Valve	NO	960.00
88	80mm Kinetic Air Valve	NO	1,200.00
89	100mm Kinetic Air Valve	NO	1,200.00
90	150mm Kinetic Air Valve	NO	2,400.00
91	200mm Kinetic Air Valve	NO	3,600.00
92	250mm Kinetic Air Valve	NO	5,200.00
93	300mm Kinetic Air Valve	NO	6,400.00
94	350mm Kinetic Air Valve	NO	7,600.00
95	400mm Kinetic Air Valve	NO	9,600.00
96	100mm Pillar Hydrant	NO	2,800.00

SCHEDULE V - OTHER MATERIALS

Item No.	Description	Unit	Rate (RM)
97	150mm Pillar Hydrant	NO	3,600.00
98	2" Foot Valve	NO	640.00
99	2 1/2" Foot Valve	NO	640.00
100	3" Foot Valve	NO	1,040.00
101	4" Foot Valve	NO	1,440.00
102	6" Foot Valve	NO	1,600.00
B	**Stainless Steel 316 Hex, Head bolts & Nuts c/w washer for D.I. Iron Slip-On-Flanges and other fittings.**		
1	M12 x 50mm	NO	6.00
2	M24 x 90mm	NO	12.00
3	M16 x 65mm	NO	8.00
4	M20 x 80mm	NO	14.00
5	M20 x 90mm	NO	15.00
6	M20 x 110mm	NO	18.00
7	M27 x 100mm	NO	37.00
C	**Hot Dipped GI Bolts and Nut c/w washer**		
1	5/8" x 2-1/2"	NO	2.00
2	5/8" x 3"	NO	2.20
3	3/4" x 3"	NO	2.50
4	3/4" x 3 -1/2"	NO	3.00
5	3/4" x 3 -3"	NO	3.20
6	7/8" x 3-1/2"	NO	3.70
7	1" x 3-1/2"	NO	4.00
8	1" x 4"	NO	4.30
9	1" x 4-1/2"	NO	5.00
10	1-1/4" x 5"	NO	10.00
D	**Rubber gasket, 5 mm thick medium rubber reinforced with two-ply flex fabric**		
1	20mm	NO	7.10
2	25mm	NO	7.00
3	32mm	NO	7.00
4	50mm	NO	10.80
5	80mm	NO	11.00

SCHEDULE V - OTHER MATERIALS

Item No.	Description	Unit	Rate (RM)
6	100mm	NO	17.00
7	150mm	NO	24.00
8	200mm	NO	28.00
9	250mm	NO	36.00
10	300mm	NO	47.00
11	400mm	NO	83.00
12	450mm	NO	97.00
13	500mm	NO	118.00
14	600mm	NO	153.00
15	700mm	NO	180.00
16	800mm	NO	520.00
17	900mm	NO	625.00
18	1,000mm	NO	765.00
E	**Stainless Steel Fittings**		
(i)	**Stainless Steel Pipe (ASTM A351 SUS 304) with thread**		
1	20 mm	M	35.00
2	25 mm	M	38.00
3	32 mm	M	41.00
4	50 mm	M	50.00
5	63 mm	M	55.00
(ii)	**Stainless Steel 90 Degree bend male / female**		
1	20 mm	NO	7.30
2	25 mm	NO	8.00
3	32 mm	NO	13.00
4	50 mm	NO	15.00
5	63 mm	NO	21.00
(iii)	**Stainless Steel SUS304 Elbow**		
1	20 mm	NO	18.00
2	25 mm	NO	25.00
3	32 mm	NO	33.00

SCHEDULE V - OTHER MATERIALS

Item No.	Description	Unit	Rate (RM)
4	50 mm	NO	55.00
5	63 mm	NO	63.00
F	**Brass Lockable Ball Valve (Type C)**		
1	20 mm	NO	40.00
2	25 mm	NO	40.00
3	32 mm	NO	64.00
4	50 mm	NO	64.00
5	63 mm	NO	120.00
G	**G.I Sleeve Size Class A**		
1	32 mm (1 ¼”) ND	M	40.00
2	40 mm (1 ½”) ND	M	40.00
3	50 mm (2”) ND	M	64.00
4	65 mm (2 ½”) ND	M	64.00
5	80 mm (3”) ND	M	96.00
H	**Brass Ferrule**		
1	20 mm	NO	40.00
2	25 mm	NO	40.00
3	32 mm	NO	64.00
4	63 mm	NO	96.00

JABATAN BEKALAN AIR LUAR
BANDAR SARAWAK
2025

SCHEDULE OF RATES

SCHEDULE VI

MISCELLANEOUS WORKS

SCHEDULE VI - MISCELLANEOUS WORKS

Item No.	Description	Unit	Rate (RM)
A	**Laying, jointing, of HDPE Pipes inclusive of fixing of valves, fittings and specials along pipe routes**		
1	90mm / 110 mm / 125 mm OD	M	24.00
2	160 mm/ 180mm OD	M	34.00
3	225 mm OD	M	38.00
4	250mm OD	M	40.00
5	280mm OD	M	42.00
6	315/345/355 mm OD	M	53.00
7	400mm OD	M	70.00
8	450 mm OD	M	85.00
9	500mm OD	M	100.00
10	560mm OD	M	115.00
11	630mm OD	M	130.00
B	**Laying, jointing, of Ductile Iron Pipes inclusive of fixing of valves, fittings and specials along pipe routes**		
1	100 mm ND	M	21.00
2	150 mm ND	M	23.00
3	200 mm ND	M	25.00
4	250 mm ND	M	28.00
5	300 mm ND	M	40.00
6	350 mm ND	M	48.00
7	400 mm ND	M	52.00
8	450 mm ND	M	56.00
9	500 mm ND	M	60.00
10	600mm ND	M	65.00
11	700mm ND	M	70.00
12	800mm ND	M	75.00
C	**Laying, jointing, of Mild Steel Pipes inclusive of fixing of valves, fittings and specials along pipe routes**		
1	150mm	M	23.00
2	200mm	M	25.00
3	250mm	M	28.00
4	300mm	M	40.00
5	350mm	M	48.00

SCHEDULE VI - MISCELLANEOUS WORKS

Item No.	Description	Unit	Rate (RM)
6	400mm	M	52.00
7	450mm	M	56.00
8	500mm	M	60.00
9	550mm	M	60.00
10	600mm	M	65.00
11	650mm	M	65.00
12	700 mm	M	70.00
13	750 mm	M	70.00
14	800 mm	M	75.00
15	850 mm	M	75.00
16	900 mm	M	80.00
17	1000mm	M	85.00
18	1200mm	M	90.00
D	**Laying, jointing, of PVC-M/PVC-O Pipes inclusive of fixing of valves, fittings and specials along pipe routes.**		
1	150/160 mm	M	23.00
2	200 mm	M	25.00
3	300/315mm	M	40.00
4	400mm	M	50.00
E	**Horizontal Directional Drilling (HDD) by HDPE Pipe for road crossing**		
(i)	**Lay HDPE by horizontal directional drilling (HDD) including machinery and necessary fittings not exceeding 30m length at road (road crossing)**		
1	50mm / 63 mm / 75 mm OD	Lot	22,000.00
2	90mm / 110 mm / 125 mm OD	Lot	22,000.00
3	160 mm/ 180mm / 225 mm OD	Lot	22,000.00
4	250 mm OD / 280 mm OD	Lot	25,000.00
5	315 mm OD / 355 mm OD	Lot	35,000.00
6	450 mm OD	Lot	40,000.00
7	500 mm OD	Lot	40,000.00
8	630mm OD	Lot	40,000.00

SCHEDULE VI - MISCELLANEOUS WORKS

Item No.	Description	Unit	Rate (RM)
(ii)	**Extra over for lay HDPE by horizontal directional drilling (HDD) at road (road crossing)**		
1	50mm / 63 mm / 75 mm OD	M	1,000.00
2	90mm / 110 mm / 125 mm OD	M	1,000.00
3	160 mm/ 180mm / 225 mm OD	M	1,000.00
4	250 mm OD / 280 mm OD	M	1,100.00
5	315 mm OD / 355 mm OD	M	1,200.00
6	450 mm OD	M	1,300.00
7	500 mm OD	M	1,500.00
8	630mm OD	M	1,500.00
F	**Horizontal Directional Drilling (HDD) by HDPE Pipe for river crossing**		
(i)	**Lay HDPE by horizontal directional drilling (HDD) including machinery and necessary fittings not exceeding 30m length at river bed (river crossing)**		
1	50mm / 63 mm / 75 mm OD	Lot	32,000.00
2	90mm / 110 mm / 125 mm OD	Lot	32,000.00
3	160 mm/ 180mm / 225 mm OD	Lot	32,000.00
4	250 mm OD / 280 mm OD	Lot	35,000.00
5	315 mm OD / 355 mm OD	Lot	35,000.00
6	450 mm OD	Lot	50,000.00
7	500 mm OD	Lot	50,000.00
8	630mm OD	Lot	50,000.00
(ii)	**Extra over for lay HDPE by horizontal directional drilling (HDD) at river bed (river crossing)**		
1	50mm / 63 mm / 75 mm OD	M	1,500.00
2	90mm / 110 mm / 125 mm OD	M	1,500.00
3	160 mm/ 180mm / 225 mm OD	M	1,500.00
4	250 mm OD / 280 mm OD	M	1,500.00
5	315 mm OD / 355 mm OD	M	1,500.00
6	450 mm OD	M	2,000.00
7	500 mm OD	M	2,000.00
8	630mm OD	M	2,000.00

SCHEDULE VI - MISCELLANEOUS WORKS

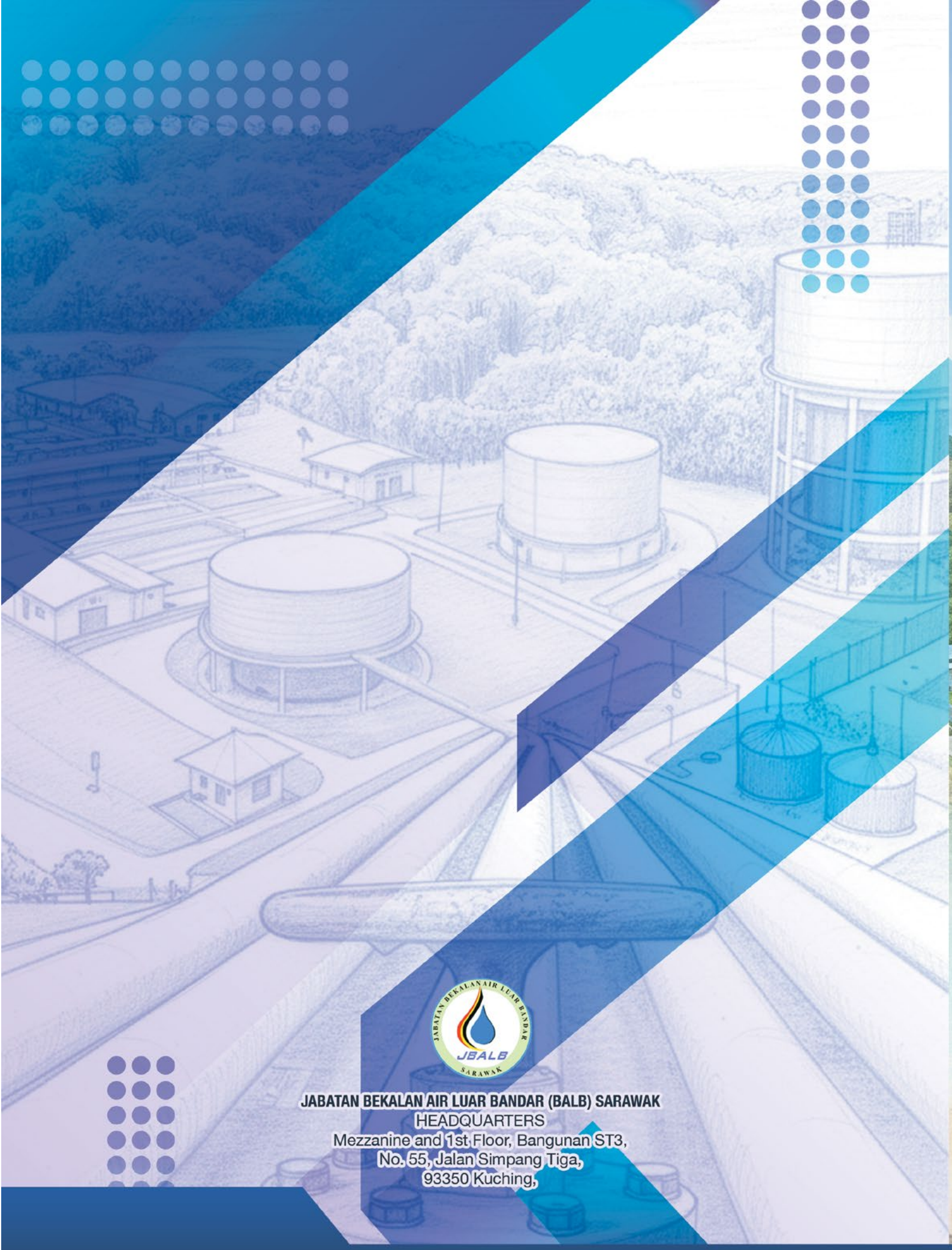
Item No.	Description	Unit	Rate (RM)
G	**Laying of submarine pipe (HDPE) complete with ballast and appurtenances**		
1	50mm / 63 mm / 75 mm OD	M	150.00
2	90mm / 110 mm / 125 mm OD	M	190.00
3	160 mm/ 180mm / 225 mm OD	M	220.00
4	250 mm OD / 280 mm OD	M	250.00
5	315 mm OD / 355 mm OD	M	270.00
6	450 mm OD	M	300.00
7	500 mm OD	M	320.00
8	630mm OD	M	350.00
H	**Pipe jacking for MSCL pipe**		
(i)	**Design, excavate, construct, and maintain jacking pits including all temporary works such as sheet piling, bracing, waling, concrete thrust wall, anchor foundation, guide rails, backfilling and dismantle, etc.**		
	Depth not exceeding 5.00 m		
1	450mm	M	8,000.00
2	600mm	M	10,000.00
3	750 mm	M	12,000.00
4	900 mm	M	18,000.00
5	1200mm	M	25,000.00
	Depth not exceeding 10.00 m		
1	450mm	M	16,000.00
2	600mm	M	20,000.00
3	750 mm	M	24,000.00
4	900 mm	M	36,000.00
5	1200mm	M	50,000.00
(ii)	**Design, excavate, construct, and maintain receiving jacking pits including all temporary works such as sheet piling, bracing, waling, concrete thrust wall, anchor foundation, guide rails, backfilling and dismantle, etc.**		
	Depth not exceeding 5.00 m		
1	450mm	M	7,000.00
2	600mm	M	9,000.00

SCHEDULE VI - MISCELLANEOUS WORKS

Item No.	Description	Unit	Rate (RM)
3	750 mm	M	10,000.00
4	900 mm	M	16,000.00
5	1200mm	M	23,000.00
	Depth not exceeding 10.00 m		
1	450mm	M	14,000.00
2	600mm	M	18,000.00
3	750 mm	M	20,000.00
4	900 mm	M	32,000.00
5	1200mm	M	46,000.00
(iii)	**Supply, haul, handle, jack in, and installation of jacking pipe. Rate to include handle position of jacking pipe, provision of cutter head, hydraulic jacks, conveyor, spacer, power pack for safe and efficient jacking operation, mild steel joint and excavation within pipe sleeve and other materials for complete installation.** **-Not less than 30m length-**		
1	450mm	M	3,800.00
2	600mm	M	4,500.00
3	750 mm	M	7,000.00
4	900 mm	M	15,000.00
5	1200mm	M	23,000.00
	Extra over rock jacking		
1	450mm	M	600.00
2	600mm	M	800.00
3	750 mm	M	1,000.00
4	900 mm	M	2,000.00
5	1200mm	M	3,000.00
(iv)	**Pressure grouting for annulus space between steel pipe and pipe sleeve**		
1	450mm	M	200.00
2	600mm	M	250.00
3	750 mm	M	300.00
4	900 mm	M	350.00
5	1200mm	M	400.00

SCHEDULE VI - MISCELLANEOUS WORKS

Item No.	Description	Unit	Rate (RM)
I	**TRENCH EXCAVATION**		
(i)	**Excavate trench in all materials, backfilling of trench, compaction as specified, disposal of surplus and restoration of surface; not exceeding 1.50m deep**		
1	100mm Diameter Pipe	M	9.00
2	150mm Diameter Pipe	M	12.00
3	200mm Diameter Pipe	M	14.00
4	250mm Diameter Pipe	M	16.00
5	300mm Diameter Pipe	M	19.00
6	400mm Diameter Pipe	M	25.00
7	500mm Diameter Pipe	M	32.00
(ii)	**Excavate trench in all materials, backfilling of trench, compaction as specified, disposal of surplus and restoration of surface; exceeding 1.50m deep and not exceeding 3.00m deep**		
1	600mm ND Pipe	M	40.00
2	700mm ND Pipe	M	49.00
3	800mm ND Pipe	M	59.00
4	900mm ND Pipe	M	70.00
5	1000mm ND Pipe	M	82.00
6	1200mm ND Pipe	M	95.00
7	1500mm ND Pipe	M	109.00
(iii)	**Excavate trench in all materials, backfilling of trench, compaction as specified, disposal of surplus and restoration of surface; exceeding 3.00m deep and not exceeding 4.50m deep**		
1	600mm Diameter Pipe	M	48.00
2	700mm Diameter Pipe	M	58.80
3	800mm Diameter Pipe	M	70.80
4	900mm Diameter Pipe	M	84.00
5	1000mm Diameter Pipe	M	98.40
6	1200mm Diameter Pipe	M	114.00
7	1500mm Diameter Pipe	M	130.80
(iv)	**Extra Over in excavate trench in all materials, backfilling of trench, compaction as specified, disposal of surplus and restoration of surface**		
1	0.50m deep	M	25.00
2	1.00m deep	M	40.00



JABATAN BEKALAN AIR LUAR BANDAR (BALB) SARAWAK
HEADQUARTERS
Mezzanine and 1st Floor, Bangunan ST3,
No. 55, Jalan Simpang Tiga,
93350 Kuching,