



S A R A W A K

PENYATA RASMI PERSIDANGAN DEWAN UNDANGAN NEGERI

Sarawak State Legislative Assembly Official Reports and Debates

MESYUARAT KEDUA BAGI PENGGAL KEDUA **Second Meeting of the Second Session**

20 – 29 NOVEMBER 2023

DEWAN UNDANGAN NEGERI SARAWAK KESEMBILAN BELAS **Nineteenth Sarawak State Legislative Assembly**

ISNIN

27 NOVEMBER 2023

(13 JAMADILAWAL 1445H)

KUCHING

Peringatan untuk Ahli Dewan:

Pembetulan yang dicadangkan oleh Ahli Dewan hendaklah disampaikan secara bertulis kepada Setiausaha Dewan Undangan Negeri Sarawak tidak lewat daripada **14 hari selepas persidangan**.

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SARAWAK
DEWAN UNDANGAN NEGERI SARAWAK KESEMBILAN BELAS

Penyata Rasmi

MESYUARAT KEDUA BAGI PENGAL KEDUA

Isnin, 27 November 2023

Dewan bermesyuarat di Petra Jaya, Kuching pada pukul 9.07 pagi

HADIR

Bil.	Nama	Konstituensi
1.	Yang Berhormat Tan Sri Datuk Amar Haji Mohamad Asfia bin Awang Nasar P.S.M., D.A., P.N.B.S., D.S.A.P., D.I.M.P., P.B.K., P.C.E. (Emas) <i>Speaker Dewan Undangan Negeri Sarawak</i>	
2.	Yang Berhormat Dato Haji Idris bin Haji Buang P.S.B.S., D.I.M.P., A.M.N., P.B.S., A.B.S., P.C.D., P.J.P.N., P.T.E. <i>Timbalan Speaker Dewan Undangan Negeri Sarawak</i>	<i>N.16 Muara Tuang</i>
3.	Yang Amat Berhormat Datuk Patinggi Tan Sri (Dr) Abang Haji Abdul Rahman Zohari bin Tun Datuk Abang Haji Openg D.P., P.M.N., D.A., P.N.B.S., J.B.S., P.C.E. <i>Premier Sarawak</i> <i>Menteri Kewangan dan Ekonomi Baru</i> <i>Menteri Sumber Asli dan Pembangunan Bandar</i> <i>Menteri Tenaga dan Kelestarian Alam Sekitar</i>	<i>N.26 Gedong</i>
4.	Yang Berhormat Datuk Amar Douglas Uggah Embas D.A., P.N.B.S., P.G.B.K., P.C.E. <i>Timbalan Premier Sarawak</i> <i>Menteri Kewangan dan Ekonomi Baru Kedua</i> <i>Menteri Infrastruktur dan Pembangunan Pelabuhan</i>	<i>N.37 Bukit Saban</i>
5.	Yang Berhormat Datuk Amar Haji Awang Tengah bin Ali Hasan D.A., P.N.B.S., P.G.B.K., A.M.N. <i>Timbalan Premier Sarawak</i> <i>Menteri Sumber Asli dan Pembangunan Bandar Kedua</i> <i>Menteri Perdagangan Antarabangsa, Industri dan Pelaburan</i>	<i>N.82 Bukit Sari</i>
6.	Yang Berhormat Datuk Amar Dr Sim Kui Hian D.A., P.N.B.S., P.J.N., P.B.E. <i>Timbalan Premier Sarawak</i> <i>Menteri Kesihatan Awam, Perumahan dan Kerajaan Tempatan</i>	<i>N.14 Batu Kawah</i>
7.	Yang Berhormat Dato Sri Hajah Fatimah Abdullah P.N.B.S., P.G.B.K., P.C.E. <i>Menteri Pembangunan Wanita, Kanak-Kanak dan Kesejahteraan Komuniti</i>	<i>N.56 Dalat</i>
8.	Yang Berhormat Dato Sri Dr Stephen Rundi anak Utom P.N.B.S., P.J.N., A.B.S., P.B.E., P.C.E. <i>Menteri Industri Makanan, Komoditi dan Pembangunan Wilayah</i>	<i>N.69 Kemena</i>

9. Yang Berhormat Dato Sri Haji Abdul Karim Rahman Hamzah
P.N.B.S., P.G.B.K., P.B.S., P.B.E.
Menteri Pelancongan, Industri Kreatif dan Seni Persembahan
Menteri Belia, Sukan dan Pembangunan Usahawan N.15 Asajaya
10. Yang Berhormat Dato Sri Lee Kim Shin
P.N.B.S., P.J.N., K.M.N., P.B.S., P.P.B., B.B.S., P.B.E.
Menteri Pengangkutan N.75 Senadin
11. Yang Berhormat Dato Sri John Sikie anak Tayai
P.N.B.S., P.J.N., P.B.S., P.B.E.
Menteri di Jabatan Premier N.60 Kakus
12. Yang Berhormat Dato Sri Haji Julaihi bin Haji Narawi
P.N.B.S., P.G.B.K., P.B.S., K.M.N., P.P.D., P.B.E.
Menteri Utiliti dan Telekomunikasi N.27 Sebuyau
13. Yang Berhormat Dato Sri Roland Sagah Wee Inn
P.N.B.S., P.G.B.K., J.B.K., P.B.S., P.B.E.
Menteri Pendidikan, Inovasi dan Pembangunan Bakat N.20 Tarat
14. Yang Berhormat Datuk Gerawat Gala
P.G.B.K., P.S.B.S., P.B.K.
Timbalan Menteri di Jabatan Premier (Buruh, Imigresen dan Pemantauan Projek) N.78 Mulu
15. Yang Berhormat Datuk Francis Harden anak Hollis
P.G.B.K., P.B.S., A.B.S., P.B.E.
Timbalan Menteri Pendidikan, Inovasi dan Pembangunan Bakat (Pembangunan Bakat) N.32 Simanggang
16. Yang Berhormat Datuk Dr Jerip anak Susil
P.G.B.K., A.M.N., P.B.E.
Timbalan Menteri Pengangkutan (Penerbangan dan Jalan Raya) N.19 Mambong
17. Yang Berhormat Datuk Liwan Lagang
P.J.N., P.P.N., K.M.N., J.B.S., P.B.E.
Timbalan Menteri Utiliti dan Telekomunikasi (Telekomunikasi) N.65 Belaga
18. Yang Berhormat Datuk Hajah Rosey binti Haji Yunus
P.G.B.K., J.B.K., P.P.B., P.P.S., P.T.E., P.B.E.
Timbalan Menteri Pembangunan Wanita, Kanak-Kanak dan Kesejahteraan Komuniti (Pembangunan Wanita dan Kanak-Kanak) N.71 Bekenu
19. Yang Berhormat Datuk Haji Len Talif Salleh
P.G.B.K., D.J.B.S., P.B.K., P.P.B.
Timbalan Menteri Perancangan Bandar, Pentadbiran Tanah dan Alam Sekitar N.41 Kuala Rajang
20. Yang Berhormat Datuk Dr Haji Abdul Rahman bin Haji Junaidi
P.G.B.K., J.B.S., A.B.S., P.B.E.
Timbalan Menteri Utiliti dan Telekomunikasi (Utiliti) N.4 Pantai Damai

21. Yang Berhormat Datuk Hajah Sharifah Hasidah binti Sayeed Aman Ghazali
P.G.B.K., P.T.E., J.B.S.
Timbalan Menteri di Jabatan Premier (Undang-undang, MA63 dan Hubungan Negeri-Persekutuan) N.7 Samariang
22. Yang Berhormat Datuk Dr Malcolm Mussen anak Lamoh
P.G.B.K., P.B.S., P.T.E.
Timbalan Menteri Perdagangan Antarabangsa, Industri dan Pelaburan N.34 Batang Ai
23. Yang Berhormat Datuk Dr Haji Abdul Rahman bin Haji Ismail
P.G.B.K., A.B.S., P.T.E.
Timbalan Menteri Industri Makanan, Komoditi & Pembangunan Wilayah (Industri Makanan) N.79 Bukit Kota
24. Yang Berhormat Datuk Dr Haji Annuar bin Rapa'ee
P.G.B.K., J.B.S., P.T.E.
Timbalan Menteri Pendidikan, Inovasi dan Pembangunan Bakat (Pengajian Tinggi dan Inovasi) N.55 Nangka
25. Yang Berhormat Datuk Dr Penguang Manggil
P.G.B.K., D.J.B.S., K.M.N., P.P.C., P.P.B., P.P.S., P.T.E.
Timbalan Menteri Kesihatan Awam, Perumahan dan Kerajaan Tempatan (Kerajaan Tempatan) N.76 Marudi
26. Yang Berhormat Datuk Snowdan Lawan
P.G.B.K., A.M.N., P.T.E.
Timbalan Menteri Pelancongan, Industri Kreatif dan Seni Persembahan (Industri Kreatif dan Seni Persembahan) N.30 Balai Ringin
27. Yang Berhormat Datuk Abdullah bin Haji Saidol
P.G.B.K., J.B.K., P.T.E.
Timbalan Menteri di Jabatan Premier (Hal Ehwal Korporat dan Unit Komunikasi Awam Sarawak) N.42 Semop
28. Yang Berhormat Datuk Sebastian Ting Chiew Yew
P.J.N., D.I.M.P., A.B.S.
Timbalan Menteri Pelancongan, Industri Kreatif dan Seni Persembahan (Pelancongan) N.73 Piasau
29. Yang Berhormat Datuk Ir. Aidel bin Lariwoo
P.G.B.K., P.B.S., P.T.E.
Timbalan Menteri Infrastruktur dan Pembangunan Pelabuhan (Pembangunan Infrastruktur) N.24 Sadong Jaya
30. Yang Berhormat Datuk Dr Ripin bin Lamat
P.G.B.K., J.B.K., K.M.N., P.T.E.
Timbalan Menteri Belia, Sukan dan Pembangunan Usahawan (Pembangunan Usahawan) N.72 Lambir
31. Yang Berhormat Datuk Dr Haji Hazland bin Abang Hipni
P.G.B.K., K.M.N., J.B.S., P.T.E.
Timbalan Menteri Tenaga dan Kelestarian Alam Sekitar N.5 Demak Laut

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| 32. | Yang Berhormat Datuk Maclaine Ben @ Martin Ben
P.G.B.K., J.B.S., P.T.E.
<i>Timbalan Menteri Industri Makanan, Komoditi & Pembangunan Wilayah (Komoditi & Pembangunan Wilayah)</i> | N.22 Kedup |
| 33. | Yang Berhormat Datuk Ricky @ Mohammad Razi bin Sitam
P.G.B.K., K.M.N., J.B.S., P.T.E.
<i>Timbalan Menteri Pembangunan Wanita, Kanak-Kanak dan Kesejahteraan Komuniti (Kesejahteraan Komuniti)</i> | N.35 Saribas |
| 34. | Yang Berhormat Dato Henry Harry anak Jinep
P.S.B.S., A.B.S.
<i>Timbalan Menteri Pengangkutan (Sungai dan Laut)</i> | N.2 Tasik Biru |
| 35. | Yang Berhormat Dato' Murshid DiRaja Dr Juanda bin Jaya
P.G.B.K., DATO' MURSHID DIRAJA, S.S.P.
<i>Timbalan Menteri di Jabatan Premier (Integriti dan Ombudsman)</i> | N.44 Jemoreng |
| 36. | Yang Berhormat Dato Gerald Rentap Jabu
P.S.B.S., A.B.S., P.P.N., J.B.K.
<i>Timbalan Menteri Belia, Sukan dan Pembangunan Usahawan (Pembangunan Belia dan Sukan)</i> | N.36 Layar |
| 37. | Yang Berhormat Dato Majang anak Renggi
P.S.B.S., P.B.K., A.B.S.
<i>Timbalan Menteri Infrastruktur dan Pembangunan Pelabuhan (Pembangunan Pelabuhan)</i> | N.70 Samalaju |
| 38. | Yang Berhormat Datuk Jefferson Jamit anak Unyat
P.G.B.K., B.B.S., P.B.S., K.M.N., J.B.S.
<i>Timbalan Menteri di Jabatan Premier (Undang-undang dan Adat Bumiputera)</i> | N.63 Bukit Goram |
| 39. | Yang Berhormat Dato Ibrahim bin Baki
A.B.S., J.B.S., P.S.B.S. | N.8 Satok |
| 40. | Yang Berhormat Tan Sri William Mawan anak Ikom
P.S.M., P.N.B.S., P.G.B.K., A.M.N., P.B.S., P.P.D. (Emas) | N.47 Pakan |
| 41. | Yang Berhormat Datuk Mong anak Dagang
P.G.B.K., J.M.N., P.B.S., P.P.D., P.B.K., P.B.E. | N.31 Bukit Begunan |
| 42. | Yang Berhormat Dato Paulus Palu Gumbang
P.S.B.S., A.M.N., P.B.S., J.B.K., P.T.E. | N.80 Batu Danau |
| 43. | Yang Berhormat Dato Dennis Ngau
P.S.B.S., J.B.S., P.B.S., P.T.E., B.B.S. | N.77 Telang Usan |
| 44. | Yang Berhormat Tuan Haji Razaili bin Haji Gapor
P.T.E., P.B.S. | N.29 Beting Maro |
| 45. | Yang Berhormat Datuk Ding Kuong Hiing
P.J.N., A.B.S. | N.46 Meradong |
| 46. | Yang Berhormat Puan Violet Yong Wui Wui | N.10 Pending |

47.	Yang Berhormat Dato Sri Wong Soon Koh P.N.B.S., P.G.B.K., A.B.S., P.C.E.	<i>N.53 Bawang Assan</i>
48.	Yang Berhormat Encik Johnichal Rayong anak Ngipa J.B.S., P.T.E.	<i>N.33 Engkilili</i>
49.	Yang Berhormat Dato Ir. Lo Khere Chiang P.S.B.S., B.B.S., J.B.K.	<i>N.13 Batu Kitang</i>
50.	Yang Berhormat Encik Wilson Nyabong anak Ijang A.M.N., K.M.N., J.B.S.	<i>N.61 Pelagus</i>
51.	Yang Berhormat Encik Miro anak Simuh P.B.S.	<i>N.18 Serembu</i>
52.	Yang Berhormat Encik John anak Ilus P.B.S., A.P.S.	<i>N.23 Bukit Semuja</i>
53.	Yang Berhormat Encik Fazzrudin bin Haji Abdul Rahman J.B.K., P.B.S.	<i>N.6 Tupong</i>
54.	Yang Berhormat Encik Awla bin Dris P.B.S., A.B.S.	<i>N.25 Simunjan</i>
55.	Yang Berhormat Ir. Christopher Gira @ Gira anak Sambang P.B.K.	<i>N.59 Tamin</i>
56.	Yang Berhormat Encik Rolland Duat anak Jubin	<i>N.48 Meluan</i>
57.	Yang Berhormat Encik Abdul Yakub bin Haji Arbi B.B.S., A.B.S., K.M.N., J.B.K.	<i>N.58 Balingian</i>
58.	Yang Berhormat Encik Safiee bin Haji Ahmad J.B.K., P.P.B.	<i>N.43 Daro</i>
59.	Yang Berhormat Encik Baru Bian	<i>N.81 Ba'Kelalan</i>
60.	Yang Berhormat Encik Kennedy Chukpai Ugon J.B.S., P.P.N., A.B.S.	<i>N.66 Murum</i>
61.	Yang Berhormat Encik Allan Siden Gramong P.B.S., A.B.S.	<i>N.50 Machan</i>
62.	Yang Berhormat Encik Mohd Chee bin Kadir A.B.S., P.B.S., P.J.P.N., J.B.S.	<i>N.40 Kabong</i>
63.	Yang Berhormat Datuk Hamzah bin Haji Brahim A.M.N., P.M.W.	<i>N.17 Stakan</i>
64.	Yang Berhormat Encik Adam Yii Siew Sang A.B.S.	<i>N.74 Pujut</i>
65.	Yang Berhormat Puan Dayang Noorazah bte Awang Sohor P.B.S.	<i>N.28 Lingga</i>
66.	Yang Berhormat Dr Simon Sinang @ Sinang anak Bada A.B.S., P.B.S., K.M.N.	<i>N.21 Tebedu</i>

67.	Yang Berhormat Encik Billy anak Sujang P.B.S., P.P.B.	N.1 Opar
68.	Yang Berhormat Encik Azizul Annuar bin Pehin Sri Haji Adenan P.B.S.	N.3 Tanjong Datu
69.	Yang Berhormat Encik Yap Yau Sin P.B.S., K.M.N.	N.12 Kota Sentosa
70.	Yang Berhormat Encik See Chee How	N.11 Batu Lintang
71.	Yang Berhormat Tuan Haji Mohamad bin Duri P.B.K., A.B.S.	N.38 Kalaka
72.	Yang Berhormat Encik Friday anak Belik A.B.K., P.P.S., P.P.B., P.B.K., P.P.C.	N.39 Krian
73.	Yang Berhormat Encik Anyi anak Jana P.B.K.	N.49 Ngemah
74.	Yang Berhormat Encik Chieng Jin Ek P.B.S.	N.51 Bukit Assek
75.	Yang Berhormat Encik Royston bin Valentine J.B.K., A.B.S.	N.57 Tellian
76.	Yang Berhormat Encik Lidam anak Assan P.B.S.	N.62 Katibas
77.	Yang Berhormat Encik Nicholas Kudi anak Jantai P.B.S.	N.64 Baleh
78.	Yang Berhormat Encik Johnny Pang Leong Ming P.B.S.	N.68 Tanjong Batu
79.	Yang Berhormat Encik Iskandar bin Turkee	N.67 Jepak

TIDAK HADIR

(Kebenaran di bawah Peraturan Mesyuarat 81)

Bil.	Nama	Konstituensi
1.	Yang Berhormat Datuk Michael Tiang Ming Tee P.G.B.K., P.B.S. <i>Timbalan Menteri Kesihatan Awam, Perumahan dan Kerajaan Tempatan (Kesihatan Awam dan Perumahan)</i>	N.54 Pelawan
2.	Yang Berhormat Dato Sri Tiong King Sing P.J.N., P.N.B.S., D.P.M.K., D.P.M.K., S.S.S.A., D.S.S.A., J.P.	N.52 Dudong
3.	Yang Berhormat Dato' Sri Huang Tiong Sii D.I.M.P., S.S.A.P.	N.45 Repok
4.	Yang Berhormat Encik Chong Chieng Jen	N.9 Padungan

TURUT HADIR

1. Encik Pele Peter Tinggom
Setiausaha Dewan Undangan Negeri Sarawak
2. Encik Abang Mohammad Adib bin Abang Sallehadin
Pemangku Timbalan Setiausaha Dewan Undangan Negeri Sarawak
3. Inspektor Ahmad Khairul Aiman bin Hassan
Bentara Mesyuarat
4. Inspektor Nelson anak Ensit
Bentara Mesyuarat
5. Encik Abang Nasiruddin bin Abang Mohd Khalid
Bentara Mesyuarat
6. Encik Lydwilkyn Andar anak Umbau
Bentara Mesyuarat
7. Encik Mohd Saiful bin Ahmad Zaidi
Bentara Mesyuarat
8. Inspektor Dylan Tan Hock Ming
Bentara Mesyuarat
9. Inspektor Nizle anak Junep
Bentara Mesyuarat

PETUGAS PERSIDANGAN

PEGAWAI UNDANG-UNDANG

- | | |
|--|--|
| 1. Encik Syed Rezif Afham bin Wan Alwi | <i>Jabatan Peguam Besar Negeri Sarawak</i> |
| 2. Cik Christie Sereni anak Philimon | <i>Jabatan Peguam Besar Negeri Sarawak</i> |

PEMBACA PRUF

- | | |
|--|--|
| 1. Puan Dayang Norazan Kartini binti Dato Pengiran Haji Zain | <i>Dewan Bahasa dan Pustaka Negeri Sarawak</i> |
| 2. Encik Shamsul Idzham Jamil | <i>Dewan Bahasa dan Pustaka Negeri Sarawak</i> |

JURUTRENGKAS

- | | |
|--|---|
| 1. Puan Sharlina binti Mushar | <i>Pejabat Setiausaha Kewangan Negeri</i> |
| 2. Puan Malin anak Arit | <i>Pejabat Setiausaha Kewangan Negeri</i> |
| 3. Puan Khadijah Dato Haji Khaider | <i>Jabatan Perbendaharaan Negeri Sarawak</i> |
| 4. Puan Dayang Siti Roszalina binti Abg Rosli | <i>Jabatan Kehakiman Syariah Sarawak</i> |
| 5. Puan Olivia Batan | <i>Jabatan Audit Negara Negeri Sarawak</i> |
| 6. Puan Bernadette Willon | <i>Jabatan Kastam Diraja Malaysia</i> |
| 7. Puan Katerin Jemali @ Maria Jamali | <i>Dewan Bandaraya Kuching Utara</i> |
| 8. Puan Doris anak Francis Harris | <i>Universiti Malaysia Sarawak (UNIMAS)</i> |
| 9. Puan Meri Sabas | <i>Universiti Malaysia Sarawak (UNIMAS)</i> |
| 10. Puan Noorina binti Hamdan | <i>Universiti Malaysia Sarawak (UNIMAS)</i> |
| 11. Puan Ratna Airnwati binti Haji Md. Junaidi | <i>Perbadanan Pembangunan Perumahan</i> |
| 12. Puan Sabtuyah binti Adeng | <i>Perbadanan Pembangunan Perumahan</i> |
| 13. Puan Zuriawati binti Mohd Laili | <i>Pustaka Negeri Sarawak</i> |
| 14. Encik Azhwan bin Bujang | <i>Regional Corridor Development Authority</i> |
| 15. Encik Mohd Alfadjer bin Tuah | <i>Pejabat Residen Bahagian Kuching</i> |
| 16. Puan Dorina Asort | <i>Kementerian Utiliti dan Telekomunikasi Sarawak</i> |
| 17. Puan Florence Jalong | <i>Kementerian Utiliti dan Telekomunikasi Sarawak</i> |
| 18. Puan Leidiana binti Azahari | <i>Kementerian Utiliti dan Telekomunikasi Sarawak</i> |
| 19. Puan Noor Afifah binti Bahaudin | <i>Kementerian Utiliti dan Telekomunikasi Sarawak</i> |

20.	Puan Dayang Duraiza binti Haji Awang Jangka	<i>Lembaga Sumber Asli & Alam Sekitar Sarawak</i>
21.	Puan Anieta Sylvester Pungga	<i>Perbadanan Pembangunan Ekonomi Sarawak</i>
22.	Puan Juliana Lugom	<i>Perbadanan Pembangunan Ekonomi Sarawak</i>
23.	Puan Rosemary Langub	<i>Perbadanan Kemajuan Perusahaan Kayu Sarawak</i>
24.	Puan Derna anak Johin	<i>Unit Pemantauan Pelaksanaan Sarawak, Jabatan Premier Sarawak</i>
25.	Puan Azah Mohamad Jally	<i>Kementerian Infrastruktur dan Pembangunan Pelabuhan Sarawak</i>
26.	Puan Rosline anak Dominic Maon	<i>Kementerian Industri Makanan, Komoditi dan Pembangunan Wilayah Sarawak</i>
27.	Puan Nur Izzatul Fatimah Abdullah	<i>Kementerian Belia, Sukan dan Pembangunan Usahawan Sarawak</i>
28.	Puan Emely anak Edmund Beatie	<i>Suruhanjaya Pencegahan Rasuah Malaysia Negeri Sarawak</i>
29.	Puan Nurhaida binti Amin	<i>Jabatan Penyiaran Kawasan Sarawak, Jabatan Penyiaran Negeri Sarawak</i>
30.	Puan Dzuridah binti Haji Sariee	<i>Pejabat Timbalan Setiausaha Kerajaan Negeri (Perancangan Ekonomi dan Pembangunan), Jabatan Premier Sarawak</i>
31.	Puan Valarie Jane anak Aitman	<i>Pejabat Pembangunan Persekutuan Negeri Sarawak, Unit Penyelarasan Pelaksanaan, Jabatan Perdana Menteri</i>

RAKAMAN PROSIDING

1.	Puan Nordiana binti Rabae	<i>Jabatan Penyiaran Sarawak</i>
2.	Encik Hussein bin Shuini	<i>Jabatan Penyiaran Sarawak</i>
3.	Puan Siti Nazilafatullaini binti Sukri	<i>Jabatan Penyiaran Sarawak</i>
4.	Encik Wan Mohamad Zaki bin Wan Alias	<i>Jabatan Penyiaran Sarawak</i>
5.	Encik Fareez Azizi bin Zakeria	<i>Jabatan Penyiaran Sarawak</i>

JURUCETAK

1.	Encik Awang Faizul bin Awang Aboone	<i>Percetakan Nasional Malaysia Berhad</i>
2.	Encik Vincent Vyner ak Tubom	<i>Percetakan Nasional Malaysia Berhad</i>

JURUTEKNIK IT

1.	Encik Abang Hasmadi bin Abang Wahab	<i>SAINS</i>
2.	Encik Brandon Lim	<i>SAINS</i>
3.	Encik Syordi Lokman	<i>SAINS</i>
4.	Encik Salihin bin Abu Seman	<i>SAINS</i>

MESSENGER

1.	Encik Mohamad Zahari bin Hamden	<i>Jabatan Agama Islam Sarawak</i>
2.	Encik Lawrence Encharang	<i>Jabatan Pertanian Sarawak</i>
3.	Encik Helmy bin Abdul Rahman	<i>Jabatan Pertanian Sarawak</i>
4.	Encik Shah Riwandya Sia bin Ridzuan	<i>Jabatan Pertanian Sarawak</i>
5.	Encik Mohammad Zaidi bin Rambli	<i>Jabatan Pertanian Sarawak</i>
6.	Encik Edry Saiful bin Abdul Hamid	<i>Jabatan Pertanian Sarawak</i>
7.	Encik Mohd Sahfizal Atoy bin Mohamad Faizal	<i>Jabatan Pertanian Sarawak</i>
8.	Encik Mohamed Nazeerudin bin Gulam Mohamed	<i>Kementerian Industri Makanan, Komoditi dan Pembangunan Wilayah Sarawak</i>

ANGGOTA STAF DEWAN UNDANGAN NEGERI SARAWAK

1. Cik Noria binti Suut
2. Puan Nur Azira binti Abdul Kadir
3. Puan Rabiah binti Abdul Kadir
4. Puan Aisha Parveen binti Badron
5. Encik Abdul Rahman bin Suaidi
6. Puan Siti Norhiza binti Mohammad Yusri
7. Puan Hanisah Abdullah
8. Cik Siti Halimah binti Mohamad Nawawi
9. Puan Hasfarini binti Hassim
10. Cik Nurhaffizah Abdullah
11. Cik Natasha Nadia binti Mohd. Saidi
12. Puan Angela Lisa anak Mathew Linol
13. Encik Felix Aaron anak Michael
14. Cik Calista Abbie anak Sapa @ Patrick Sapa
15. Puan Norziana binti Haji Ahmad
16. Encik Mohd Hasfia bin Abdullah
17. Puan Nur Eliana Abdullah
18. Puan Nazmah binti Darham
19. Puan Tracy Lyana anak Bana
20. Encik Mohd Zulkhairi bin Mohammad Hejemi
21. Puan Dayang Nazira binti Abang Martaza
22. Puan Jasmine Sinja anak Robinson
23. Puan Dayang Noorazilla binti Jasni
24. Cik Parcelia Renyelia anak Pamg
25. Cik Nur Zafirah binti Affendy Michael
26. Puan Deidre anak Wilson
27. Encik Muhammad Elliyas bin Matali
28. Cik Siti Nur Marsitah binti Roslan
29. Puan Nur Amira Lystiani binti Poniman
30. Encik Razali bin Awi
31. Puan Nora binti Atem
32. Encik Zahari bin Bolhi
33. Encik Lukas Jammany anak Kated
34. Encik Hazrin Syah bin Hamzah
35. Encik Salman bin Jaya
36. Encik Alwie bin Haji Ali
37. Encik Romzi bin Bujang
38. Encik Musa bin Julai
39. Cik Hawa binti Morsad
40. Puan Suraya binti Hamden
41. Puan Noraisah binti Ahmad
42. Cik Siti Zalilah binti Samsawi

PELAJAR PRAKTIKAL

1. Cik Siti Zubaidah binti Arip
2. Cik Amyna A'eisya binti Ranani

(Mesyuarat dimulakan pada pukul 9.07 pagi)

[Tuan Speaker mempengerusikan Mesyuarat]

DOA

PEMASYHURAN DARIPADA TUAN SPEAKER

Tuan Speaker: Bismillahirrahmannirahim. Assalamualaikum Warahmatullahi Wabarakatuh. Selamat pagi dan Salam sejahtera. Ahli-ahli Yang Berhormat, I have granted leave or absence under Standing Order 81 to Ahli Yang Berhormat Dato' Sri Huang Tiong Sii, Honourable Member for N.45 Repok for today's sitting until Wednesday, 29 November 2023; Ahli Yang Berhormat Dato Sri Tiong King Sing, Honourable Member for N.52 for Dudong; and Ahli Yang Berhormat Encik Azizul Annuar bin Pehin Sri Haji Adenan, Honourable Member for N.3 Tanjong Datu for today's sitting.

SAMBUNGAN PERBAHASAN ATAS BACAAN KALI YANG KEDUA RANG UNDANG-UNDANG PERBEKALAN (2024), 2023 DAN USUL UNTUK MERUJUK RESOLUSI ANGGARAN PERBELANJAAN PEMBANGUNAN BAGI TAHUN 2024

Tuan Speaker: Dengan segala hormatnya, saya menjemput Ahli Yang Berhormat Dato Sri Roland Sagah Wee Inn, Menteri Pendidikan, Inovasi dan Pembangunan Bakat; dan Ahli Dewan Undangan Negeri N.20 Tarat untuk menyampaikan ucapan penggulungan.

Menteri Pendidikan, Inovasi dan Pembangunan Bakat; dan Ahli Dewan Undangan Negeri N.20 Tarat (YB Dato Sri Roland Sagah Wee Inn): Tuan Speaker, first and foremost, congratulations to you on your reappointment as the Speaker of this august House for another term. We are all very fortunate to have a person of your stature and high standing among your peers to preside and guide us. Congratulations from me, my Ministry, and my Constituents of N.20 Tarat.

Thank you for this opportunity to address this august House, and for me to reply on the matters raised in the debate, as well as on comments and invaluable input raised by Honourable Members pertaining to matters under the purview of my Ministry.

I would also take this opportunity to update on the achievements for the year and the plans for the upcoming year. In relation to the plans for upcoming year, I would like to express my appreciation to the Right Honourable Premier for the generous allocation totalling RM343 million approved for Education, Innovation and Talent Development during the tabling of the Supply (2024) Bill, 2023 on 20th November 2023.

I would like to begin my address on the favourite topic among Sarawakians manifested by the Members of this august House, that is the issue of dilapidated schools.

Policy makers would describe this issue as a Wicked Problem, first coined by Rittel and Webber in 1973. Wicked Problems can always be described as the symptom of other problems. As much as we wish that this issue is resolved amicably, we may partly own the problem, but we do not own the premises involved. This makes this issue challenging to address.

Thank you, Honourable Members for Tanjong Datu, Batu Kitang, Daro, Krian, Meradong, Murum, Katibas, Tebedu, Meluan, Serembu, Pelagus and Kalaka for highlighting the same issue from their respective constituencies.

The issue of dilapidated schools is not only localised to Sarawak but is happening nationwide. But that is no excuse for us to not address the issue. In our effort, there have been instances where Sarawak Government and Right Honourable Premier himself have approved State Allocations to relocate and redevelop rural schools. These schools are SK Ulu Segan, Bintulu; SK Maludam, Betong; SK Kampung Penasu, Daro and SK Pulo, Kuching. Funds were also allocated to upgrade

and improve buildings and facilities at SK Merpati Jepang, Kuching; SK Abang Aing, Sri Aman; SMK Tun Abang Haji Openg, Kuching; and most recently SK Sageng and SMK Gedong, Simunjan.

This is not to compete, but to complement the effort put forth by the Federal Government. To be fair, we do understand that the Federal Government needs to prioritise budget allocation.

Tuan Speaker, when my Ministry was first established in 2017, a lab was jointly organized with Jabatan Pendidikan Negeri Sarawak or JPNS, to identify and categorize dilapidated school in the State, of which 1,020 were identified under three main categories. They are category 1 with 395 schools, Category 2 with 210 schools and Category 3 with 415 schools. The categories are based on technical department's definition based of 25%, 50% and 75% dilapidated condition of the overall school buildings.

However, in 2019, the Ministry of Education, Federal Ministry redefined dilapidated buildings category into a scale from 1 to 7 with scale 6 and 7 being the worst lot, that is upon verification by technical personnel from JPNS and Jabatan Kerja Raya or JKR. From this redefined category, there are 461 currently under scale 6 and 7. These categories are given top priority for repair and upgrading works.

In relation to this, I would like to update Members of this august House, that to date, 198 school repair and upgrading projects have been completed, so don't confuse the one that is mentioned by the Ministry of Education (MOE), Malaysia while another 309 schools are at various stages of implementation.

On the request by Honourable Members for Seremban, Katibas and Meluan for new secondary schools, merging of under-enrolment primary schools and establishing Form 6 at SMK Julau No. 1 or SMK Julau No. 2, the requests will be studied and recommended to JPNS for further decision by MOE.

Tuan Speaker, Honourable Members for Pelagus and Ngemah requested for the establishment of technical institutions in their respective constituencies. While we recognise the need for TVET institutions in the rural areas, we must also be mindful of the ecosystem required for the setting up of the institutions.

For an institution to be sustainable, among others, it needs the support of industries in terms of expertise, industry attachments, apprenticeship, and more importantly a sufficient number of feeder schools.

However, responding to the Honourable Member for Jepak on the need for another TVET Institution, there are already currently, five technical institutions in Bintulu offering various industry-related and accredited courses. I believe there are sufficient number of youths in Jepak to enrol in these institutions.

Tuan Speaker, while I am on the topic of TVET, allow me to briefly touch on the Vocational School, now called Vocational Colleges in Sarawak. Currently, there are only six Vocational Schools or Colleges and one Technical School. We are made to understand that the number of applicants to these Schools far exceed their capacities. It seems that courses of Vocational Colleges are very popular among our youths, especially after Form 3.

Thus, we brought the matter to the attention of Minister of Education (MOE) of Malaysia, and the Deputy Prime Minister and Minister of Rural and Regional Development, on the need for more Vocational Colleges.

We even floated the idea for MOE to utilise existing State-owned technical institutions to provide vocational training. This approach of using existing facilities and resources would be faster to implement, as compared to establish a new Vocational College which could take up to five years.

The advantage of vocational colleges is that students who have completed Form 3 prior to their enrolment, will still be within the school education system where we are able to provide career guidance and support.

On the other hand, once they leave the school system after Form 5, it would be less likely for them to enrol for vocational or technical courses. This will translate to the insufficient number of skilled talents to required meet the industry's needs. We hope that the Federal Government will pay due attention to our views and requests, and duly consider our proposal.

Tuan Speaker, next, I wish to update Members of this august House on the progress of Devolution and Decentralization of Powers for Education under MA63. My Ministry have had a few engagements with the Ministry of Education Malaysia, both at the Ministerial and Officers' level to deliberate on the matter. We have also made a representation at the Technical Committee of the *Majlis Tindakan Pelaksanaan Perjanjian Malaysia*. The Technical Committee is chaired by the Deputy Prime Minister and Minister for Plantation and Commodities Malaysia. The Technical Committee in principle agreed on the representation made by my Ministry and resolved that both MOE and my Ministry further deliberate to finalise the matters to be escalated for decision by the main committee chaired by the Right Honourable Prime Minister.

In the course of our deliberation, MOE has indicated favourably on the decentralization of authority particularly for those of administrative in nature, from MOE to JPNS. However, we have yet to receive an official response for the arrangements on how the decentralization of authority is to be realised. Once this is realised, approval for State funded projects such as RTP would no longer be decided in Putrajaya.

Therefore, we pray that the issue of slow RTP and other State funded projects implementation especially involving schools as expressed by Members for Meradong, Krian, and Daro would be a thing of the past. Some of the issues related to this matter has been dealt with at length during the Oral Q&A. I thank the Honourable Member for Kota Sentosa for the Question.

Tuan Speaker, in response to the suggestions made by the Honourable Member for Padungan on providing 10 International Schools, as much as we would like to have many more State-owned International Schools, we must be realistic in our approach in establishing the schools. While we want to offer as many opportunities to as many deserving students as possible, we must also address the need for teachers who are trained and qualified in the Cambridge curriculum.

As it is, we are consistently building the competency of our teachers in the curriculum so as to be able to meet the needs of the International Schools. We will put in place plans to provide for more International Schools as the conditions permit in the future. In addition to the State-owned International Schools, Maktab Rendah Sains MARA or MRSM Kuching also runs the Cambridge syllabus.

Tuan Speaker, regarding the initiative to provide free tuition for secondary school students, laptops, and books for tertiary students, I wish to thank the Honourable Members for Tebedu, Tupong and Lingga for their support and input on implementation of this initiative. In this regard, my Ministry will be working closely with Yayasan Sarawak to ensure that the initiatives are executed effectively and efficiently to achieve the desired outcome.

I wish to thank the Honourable Member for Satok for his valuable suggestions in relation to Talent Development for Digital Innovation and the Start-Ups Ecosystem. The Sarawak Digital Economy Corporation (SDEC) implements a flagship accelerator programme known as the Digital Village Accelerator program or DiVA, which facilitates market expansion for Sarawakian owned companies, and provides financial support to start-ups that meet requirements under the programme. This DiVA is not a singer, it is just an acronym only. My Ministry will collaborate with SDEC to broaden its efforts in social entrepreneurship and digital innovation initiatives.

Tuan Speaker, before I proceed further on my Ministry's achievement for the year, allow me to briefly delve into the proposed standard assessments for Primary 6 and Form 3. I thank the Honourable Members of this House for their support on the proposed standard assessments and the Federal Minister for Education for her support towards the initiative.

It is still premature to elaborate as we are still deliberating the exercise. Suffice to say that the assessment will focus on Dual Language Programme (DLP) subjects, namely Science, Mathematics and the English language. Such an assessment is vital as it will serve as a means to gauge the effectiveness of the DLP, alongside other initiatives which we have put in place to increase the uptake of STEM subjects in schools. The standard assessment is scheduled to commence in 2025, when our current DLP students attain Primary 6. I will enlighten members of this house from time to time on the progress. Be rest assured that the proposed assessment will not cause undue stress to all parties, students, teachers, the schools and parents.

Tuan Speaker, my Ministry is the enabler for Human Capital, Education, and Innovation under the PCDS 2030, and the budget allocated with a total of RM343 million will be effectively utilised to carry out strategic initiatives and projects to raise the quality of education, human capital development, as well as create a more robust R&D and innovation ecosystem in Sarawak.

In relation to this, I would now like to move on to my Ministry's achievements for the year 2023. We have had a fruitful year. We introduced our own signature STEM Trailblazers Sarawak to strengthen our effort in promoting the learning of Science, Technology, Engineering and Mathematics throughout the length and breadth of Sarawak. Organised simultaneously at two venues in Kuching and Miri, the programmes were able to attract a total of 6,000 participants comprising of Primary, Secondary, and Tertiary students, parents, educators and community leaders.

Through workshops, competitions, exhibitions and interactive sessions with subject matter experts, the programmes were able to ignite interest, innovative and critical thinking among the participants, manifested through the mini projects and exhibits by the students.

If I may, Tuan Speaker, one of the many innovative designs created by our students, through Raspberry Pi was a system to ensure cleanliness of toilets. Through sensor technology that could detect the unpleasant odour emitted, the janitor would be alerted to carry out the necessary cleaning works. The project by SJKC Kwang Chien, Sarikei is aptly known as the "*Pi Toilet*" but this pie you cannot eat. There were many more highly sophisticated, yet amusing projects by our children.

I wish to quote Dr Sue Sentance, Director of Raspberry Pi Computing Education Research Centre at the University of Cambridge in an article dated 15th August 2023. She said, "*The creativity and quality of the projects on show was impressive given that all the students and many of their teachers had learned to program very recently and also had to be quite innovative where they hadn't been able to access all the hardware they needed to build their creations*". She was kind enough to oblige our invitation during the STEM Trailblazers Sarawak.

This event reinforces my Ministry's dedication to nurturing a science literate society. Next year, my Ministry will extend this event to the central region with University of Technology Sarawak as the hub for the main event.

Tuan Speaker, the creativity of our students is nurtured by our ever-dedicated teachers. To ensure that our teachers are consistently kept abreast with the latest technological knowledge, my Ministry is continuously providing training to upskill the teachers. This year, 877 *Reka Bentuk Teknologi* or RBT teachers have completed their intermediary level for the Raspberry Pi computer training. Next year, these teachers will proceed to the advanced level.

Dr Dylan Wiliam, the foremost authority on formative assessment from the UK says, "*Every teacher needs to improve, not because they are not good enough but because they can be even*

better". Based on this premise, Sarawak Government through my Ministry provides funding for Continuous Professional Development (CPD) for our teachers.

Among others, this year, 606 teachers have been trained under the Teaching of Science and Mathematics in English programme, also known as DLP Sarawak, on top of the 5,200 who have been trained prior to this.

Additionally, 1,700 non-option Science, Mathematics and English teachers have also been trained under the CPD. Non-option teachers are those who were not specifically trained for these subjects during their teacher-training Degree.

We are very fortunate that the Singapore International Foundation (SIF) is collaborating with my Ministry, at their own cost, to implement the Maths PLUS which stands for Mathematics Pedagogical Learning, Understanding and Support. It is a four-year collaboration involving 50 primary schools with 100 teachers. These 100 teachers will in turn benefit about 13,000 students. I must put on record, our appreciation to SIF for their collaboration. Through all these initiatives, we are doing our part to improve the quality of education for our *anak-anak Sarawak* to ensure a brighter future for everyone.

On the international front, my Ministry through Sarawak Skills organised the 3rd BIMP-EAGA TVET Conference 2023. Themed "*TVET to Drive Innovation and Talent Development*", and featuring sessions revolving around Innovation and Technology, Human Resource Management, Green TVET, and Strengthening Partnerships, the Conference reflected a well-rounded exploration of key aspects of TVET that are crucial for the development of the participating nations, namely Brunei, Indonesia, Malaysia and the Philippines.

Platforms such as the BIMP-EAGA play a crucial role in promoting collaboration, innovation, and the exchange of ideas in the field of education and talent, besides setting the groundwork for future joint initiatives, fostering mutual growth and development in the field of TVET.

My Ministry will be capitalising on this opportunity with MINTRED to promote our TVET institutions with our counterparts in the BIMP-EAGA region.

Tuan Speaker, I will now update Honourable Members of this august House on the activities and achievements carried out by the research agencies under my purview.

Over the past five years, the Sarawak Research and Development Council (SRDC) has provided research funding of up to RM15 million to the universities and research agencies in Sarawak through the SRDC Research Grant schemes.

We have seen some success stories from these ventures. To date, we have generated new knowledge through 38 publications arising from the projects funded. A biomedical innovation company based in Sibu has signed a licensing and technology transfer memorandum of understanding (MOU) with a Hong Kong-based company specialising in contraceptives.

Deputy Premier Professor Dr. Sim is looking at me. I don't know what is so funny about that...*(Laughter)*... Anyway, he is supporting me, that's it. Thank you.

In addition to the Research Grants, the Sarawak Government, through SRDC has established three subsidiaries - SMD Semiconductor; Sarawak Infectious Disease Centre (SIDC) and the Sarawak Science Centre to facilitate and provide for a vibrant and engaging research and science ecosystem.

The construction of the Sarawak Infectious Disease Centre is expected to take about 30 months to complete. The earth filling has been done actually. Now only the building part. With the completion of the Centre and laboratories, the research agreements by SIDC will come into

execution, and the some of the ongoing research will be carried out in the Centre itself. We envision that the SIDC will one day be recognised as the Centre for Disease Control or CDC for the region.

Meanwhile, SMD Semiconductor, our home-grown semiconductor design company, has embarked on official collaborations with State-owned Training Institutions, Institutions of Higher Learning, and key players in the semiconductor industry.

This effort is geared towards developing human capital and cultivating local talent in the dynamic field of semiconductors and chip design. Again, I will stress this is not the potato chip. The initiative, aptly named *"Sarawak Digital Economy Transformation: Talent Development in Semiconductors & Chip Design"*, is strategically targeted at producing a cadre of 500 highly skilled semiconductor professionals in Integrated Circuit (IC) Design, IC Layout Design, Wafer Fabrication Process and Water Testing by the year 2030.

A key advantage of this talent development program is that local graduates will have the chance to secure high-value positions in the fields of semiconductors and Integrated Circuit (IC) Design. These efforts, along with SMD's service contract agreements with Melexis NV Belgium, and X-FAB Germany, underscores SMD's commitment to developing high-quality semiconductor solutions. In addition, SMD is also exploring partnerships with other semiconductor and microelectronic chip manufacturers and end-users.

Tuan Speaker, intellectual properties or IPs, often overlooked, are valuable intangible assets that play a crucial role in fostering innovation and in commercialisation. To-date, the Sarawak Biodiversity Centre or SBC has eleven Intellectual Properties published. These include five patents, two geographical indicators or GI, three trademarks and one copyright. One such novel discovery involves a patent for a compound in treating neurodegenerative diseases which was granted in 2022 which has the potential to be used as a treatment for neurodegenerative diseases such as Parkinson's and Alzheimer's Diseases.

Successful R&D and commercialisation also requires joint efforts and a shared vision of both public and private sectors, and communities. I am happy to share with this august House that SBC has received RM20 million through collaborative projects from multinational companies and international funding bodies, related to algae, access and benefit sharing, and discovery of anti-viral compounds from natural products.

In 2023, our Tropical Peat Research Institute, TROPI achieved remarkable milestones by representing Malaysia in several international research collaborations. One of these collaborations is TROPI's participation in the Soil Biodiversity Observation Network or BON Research Project in partnership with the University of Leipzig, Germany. This global initiative aims to track and assess soil biodiversity over 10 years, with 90 countries involved. We are proud to be the only scientific agency in Malaysia to be invited to participate in this research collaboration.

In addition, TROPI has been invited to participate in the Living Lab for Wetland Forests or LiWeFor, this is not Chinese, project and the PeatlandN20 (in honour of my constituency N.20 Tarat) but actually Tuan Speaker, it is read as N₂O not N.20 meaning Nitrous Oxide. It is an international collaboration with the University of Tartu in Estonia, the University of Helsinki in Finland and the Karlsruhe Institute of Technology in Germany.

These projects are funded by the prestigious European Research Council (ERC) and aim to gain a comprehensive understanding of methane and nitrous oxide emissions from global peatlands, that is, between temperate and tropical peatlands.

These collaborations will not only advance our scientific research and body of knowledge on tropical peatland, but also add value in our implementation of sustainable development and management of peatlands.

Tuan Speaker, there is yet another achievement by TROPI which I would like to share with the Honourable Members of this august House today. TROPI's chemistry laboratory has been accredited to ISO 17025, a globally recognized international standard for testing and calibration laboratories.

This accreditation is a pivotal moment for TROPI as it opens the doors for further international research collaborations and strengthens our research capacity and competency on the global stage. This is also important to ensure that we have up-to-date research protocols as required under the Paris Agreement to address the challenges of climate change and peatland conservation. Establishing an ISO 17025 Accredited Chemistry Laboratory is essential to support the Sarawak Environmental Bill which has just been passed by this august House. Such a laboratory that meets international standards plays a crucial role in improving the verification and validation of carbon credits. This will also ensure that Sarawak's climate change efforts are based on sound science and reliable data to achieve our net zero carbon emissions by 2050.

Tuan Speaker, moving on to our next research body, CRAUN, not the king's crown, CRAUN Research has developed for sago-based research. I am pleased that CRAUN has innovatively harnessed AI (Artificial Intelligence) to develop a technology that is capable of accurately identifying and enumerating mature sago palms.

This technological advancement holds significant potential in statistical applications, aiding in the precise determination of the sago palm population within a specific area. The application is also adept at discerning mature and harvestable sago palms. With this, CRAUN is poised to assist smallholders and sago manufacturers in effectively planning for ongoing sago production. Notably, this cutting-edge technology has undergone a patent application process.

Among many of its achievements, CRAUN has also successfully established a demonstration plant in Mukah for the recovery and treatment of waste generated from sago starch processing activities, yielding valuable biogas as a byproduct.

The generated biogas serves a multi-faceted purpose, providing electricity for the plant's operations, generating heat energy to dry waste sago bagasse fibre utilised as feedstock for animal feed, and more importantly, distributing refined cooking gas to nearby village households.

This initiative currently benefits a total of 145 households of Kampung Teh and Kampung Tabo in Mukah, enhancing the local communities' access to clean and sustainable cooking gas.

Tuan Speaker, I will now highlight on the matter of interest on Institutions of Higher Learning and Technical Training Institutions under the purview of my Ministry.

All our State-owned universities namely, Curtin University, Swinburne University, University of Technology Sarawak and iCATS University College have seen significant increase in enrolment this past year. The increase in enrolment ranges from 60% to 300%. This is due to the introduction of affordable fee structure especially for deserving students. I must thank Yayasan Sarawak and the respective universities for the fee structure which has made the universities affordable to more students from different income background.

Despite the introduction of fee structure to local students, our universities remained attractive for international students. Currently, there are altogether 735 students from various countries, from Sweden, African Countries, South Asian Countries, China and neighbouring ASEAN Countries. My Ministry in collaboration with MINTRED will explore more opportunities to attract foreign students to our universities.

Tuan Speaker, research at State-owned Universities is growing from strength to strength. For example, Professor Patrick Then, Head of the School of Information and Communication Technologies at Swinburne University of Technology Sarawak Campus, has been awarded Fellow of the European Society of Cardiology (ESC) in October 2023. The prestigious honour is awarded

to individuals who have made a significant contribution in the field of cardiology. Professor Then is a leading expert in health informatics and digital health research and development.

In line with the needs for skills training, Sarawak Skills is expanding its operations. The Sarawak Skills Sri Aman (SSSA) branch is currently in the final phase of development. It is expected to begin operations by the first quarter of 2024 and will have a capacity of 145 students, with hostels that can accommodate up to about 90 students. SSSA will offer Community-Driven Developments programmes, as well as courses in Electrical, Digital Skills, Smart Agriculture, Culinary Arts and Fashion Design. SSSA will also offer *Sijil Kemahiran Malaysia (SKM)* Programmes, namely *Penyeliaan dan Operasi Penanaman Kelapa Sawit*, *Operasi Sistem Komputer* and *Pemasangan dan Penyelenggaraan Elektrik Fasa Satu*. I envision that the establishment of SSSA will become a means to bridge the educational and economic gap of its local populace.

Tuan Speaker, World Skills Malaysia Sarawak (WMS) 2023 is a bi-annual state level skills competition jointly organised by my Ministry and the Department of Skills Development Sarawak Region. It is aimed at recognising youths or trainees from any TVET institution in Sarawak who possess excellent skills and have the potential to represent Sarawak in national-level skill competitions or even higher levels such as World Skills Malaysia Youth (WSMY), ASEAN Skills Competition (ASC), and World Skills Competition (WSC). The competition also aims to raise awareness and understanding among the public about the importance of skills and ultimately cultivating a culture of respecting skills-based job. The prequalification rounds of the competitions took place in October and the finals will be held in December in various skills areas, namely Automobile Technology, Electrical Installation, Mechanical Engineering CAD, Welding, Culinary Arts, Refrigeration and Air-condition, Web Technologies, Beauty Therapy, among others. I am proud to share here that in 2019, two Sarawakians represented Malaysia at the International WorldSkills Competition in Kazan, Russia. We hope to have more Sarawakians qualify for the International WorldSkills Competition in the future.

Tuan Speaker, it is also important to equip our local talents with relevant hands-on training to enable integration into the Green Energy industry. CENTEXS offers Certificate in Smart Solar Photovoltaic (PV), Certificate in Green Mobility and Storage, and Certificate in Green Hydrogen programmes in collaboration with Huawei and Solarvest.

CENTEXS has also been entrusted to extend its students intake to non-Sarawakians from West Malaysia, Sabah and Wilayah Persekutuan Labuan. During the Right Honourable Deputy Prime Minister, Dato' Seri Dr Ahmad Zahid Hamidi, visit to CENTEXS on the 16th of September 2023, he announced a funding of RM30.0 million to CENTEXS for the purpose. We must thank the Right Honourable Deputy Prime Minister for the generous allocation. And CENTEXS will initiate the intake when the funds are made available by the first quarter of next year. This is a testimony for CENTEXS as a preferred TVET institution especially for renewable energy and digital technology.

Tuan Speaker, in working strategically towards achieving the goals outlined in the Post COVID Development Strategy 2030, my Ministry will undertake monitoring to ensure that all the projects that are implemented will be achieved the desired outcomes, as much as some of the programmes and projects are not directly implemented by the Ministry. Thus, we will widen our net of projects and programmes monitoring especially on education, innovation, and talent development. To the agencies implementing these projects, among them JKR, JPNS, Yayasan Sarawak, SDEC to name a few, who are not under my immediate purview, do not take offence when my officers request updates and information and at times conduct coordination and monitoring. We are here to work together to achieve the same outcomes and impacts in the long run.

Tuan Speaker, developing human capital through education is a long and arduous undertaking. This is so true that, may I quote a famous Chinese saying, and I quote *"It takes 10 years to grow a tree, but a hundred years to cultivate people"*. I'm not able to say in Chinese, in mandarin.

To conclude, I take this opportunity to thank the State Secretary of Sarawak, State Attorney General, State Financial Secretary, all Ministries; Departments and Agencies; both State and Federal, that have rendered their assistance to my Ministry to get things done. Not forgetting my deepest appreciation to all officers and staff of my own Ministry who have worked tirelessly to ensure that work runs smoothly.

Saya juga ingin merakamkan setinggi-tinggi penghargaan dan tahniah kepada Tuan Speaker, Timbalan Speaker serta pegawai-pegawai dan petugas Dewan Undangan Negeri yang telah mengendalikan Persidangan ini dengan efisien.

Saya mengambil kesempatan ini mengucapkan *a very merry and Blessed Christmas* kepada yang menyambut, serta Selamat Tahun Baru, *a very Happy New Year 2024, and a Happy Chinese New Year, Gong Xi Fa Chai*. Thank you.

Tuan Speaker: Dengan hormatnya, saya menjemput Yang Berhormat Dato Sri Haji Julaihi bin Haji Narawi, Menteri Utiliti dan Telekomunikasi untuk menyampaikan ucapan penggulungan.

Menteri Utiliti dan Telekomunikasi Sarawak (YB Dato Sri Haji Julaihi bin Haji Narawi): Terima kasih, Tuan Speaker. Saya juga ingin mengambil peluang ini untuk mengucapkan setinggi-tinggi tahniah kepada Tuan Speaker kerana dilantik semula sebagai Tuan Speaker Dewan Undangan Negeri yang mulia ini dan kami percaya bahawa pengalaman Tuan Speaker adalah amat berguna sekali untuk membimbing dan mengendalikan setiap persidangan Dewan Undangan Negeri setelah dilantik semula. Jadi dengan itu jugalah, maka saya percaya kebolehan dan pengalaman itulah amat bermakna sekali. Terima kasih juga kerana mengizinkan saya untuk menyampaikan ucapan penggulungan bagi Kementerian Utiliti dan Telekomunikasi Sarawak.

Bersempena dengan persidangan bajet pada kali ini, saya ingin mengucapkan setinggi-tinggi tahniah dan syabas kepada Yang Amat Berhormat Premier Sarawak yang telah membentangkan Belanjawan 2024 dengan memberi fokus kepada pembangunan menyeluruh dan merapatkan jurang antara bandar dan luar bandar dalam usaha untuk memacu kemakmuran Sarawak. Ini terbukti dengan peruntukan belanjawan untuk tahun 2024 sebanyak RM13.6 bilion berbanding RM11.5 bilion untuk tahun 2023 dan ini mencatatkan satu lagi peruntukan belanjawan terbesar dalam sejarah Sarawak.

Kementerian saya mengucapkan setinggi-tinggi terima kasih di atas peruntukan belanjawan sebanyak RM1.03 bilion bagi melaksanakan berbagai projek bekalan air dan elektrik di Sarawak.

Saya juga ingin menzahirkan rasa terima kasih kepada Ahli-ahli Yang Berhormat yang telah mengambil bahagian dalam mengemukakan pertanyaan dan cadangan berkaitan isu-isu di bawah tanggungjawab Kementerian saya. Segala cadangan yang telah dikemukakan akan di ambil perhatian untuk tindakan yang sewajarnya.

Kita amat berbangga Tuan Speaker dengan kepimpinan Yang Amat Berhormat Premier Sarawak yang telah mengharumkan nama Sarawak di mata dunia. Ini dapat dibuktikan dengan pengiktirafan negara-negara luar, di mana beliau kerap dijemput untuk berkongsi pengetahuan dan pengalaman dalam sektor tenaga boleh diperbaharui atau *renewable energy* di Sarawak. Baru-baru ini, beliau diberikan penghormatan untuk menyampaikan ucap-tama di Persidangan Tenaga Hidro Antarabangsa Bali pada 31 Oktober 2023. Dalam persidangan tersebut, beliau telah menekankan bahawa Sarawak berpotensi menjadi pembekal utama tenaga boleh diperbaharui (*renewable energy*) di rantau ini selaras dengan aspirasi Sarawak untuk menjadi pusat kuasa tenaga atau *energy hub* di rantau Asia Tenggara menjelang tahun 2030. Saya bersyukur dan gembira kerana berada dalam rombongan Yang Amat Berhormat Premier Sarawak untuk menyaksikan dan mendengar Yang Amat Berhormat berucap dan melihat sendiri reaksi para peserta di persidangan tersebut. Tahniah dan syabas sekali lagi Yang Amat Berhormat Premier Sarawak.

Tahniah juga diucapkan kepada Yang Amat Berhormat Premier Sarawak kerana telah dianugerahkan dengan gelaran "*Felo Kehormat*" atau "*Honorary Distinguished Fellow*" pada Persidangan Persekutuan Pertubuhan Kejuruteraan ASEAN yang Ke-41 (CAFEO-41) pada 22 November 2023 baru-baru ini.

Tuan Speaker, di bawah kepimpinan Yang Amat Berhormat Premier Sarawak, kita juga telah mencipta sejarah dan menempatkan Sarawak sekali lagi di peta dunia. Ini dapat dibuktikan apabila Sarawak mewakili Malaysia terpilih buat julung kalinya sebagai tuan rumah untuk menganjurkan *International World Water Congress and Exhibition* pada tahun 2028 yang dikendalikan oleh *International Water Association* atau ringkasnya IWA. Ini merupakan pertama kali anjuran sebegini diadakan di Asia Tenggara. Jadi ini merupakan satu kejayaan kepada Sarawak dan negara Malaysia amnya. Persidangan ini dijangka akan dihadiri lebih daripada 10,000 peserta daripada 80 buah negara.

Selain itu, Kuching juga telah dipilih menjadi tuan rumah persidangan *World Congress on Innovation and Technology (WCIT)* pada 4 hingga 6 Oktober 2023. Persidangan ini juga diadakan serentak dengan acara tahunan siri ke-enam *International Digital Economy Conference Sarawak (IDECS) 2023*. Persidangan ini telah berjaya menarik penyertaan seramai 10,123 orang peserta dari dalam dan luar negara. Malah, Yang Amat Berhormat Premier juga telah menerima Anugerah Khas *World Innovation, Technology, and Services Alliance (WITSA)* yang dinamakan *Eminent Person Award* daripada Pengerusi WITSA Dr. Sean Seah. WITSA adalah penganjur WCIT.

Sarawak juga telah menerima Anugerah Kerajaan Digital atau *Digital Government Awards* daripada *ASIAN-Oceanian Computing Industry Organisation (ASOCIO) 2023* di Seoul, Korea Selatan pada 14 November 2023 yang lepas. Ini merupakan satu pengiktirafan besar bagi Sarawak apabila diiktiraf oleh sebuah organisasi yang terlibat dalam industri teknologi maklumat dan komunikasi (ICT) khususnya di rantau *Asia-Oceania*. Saya telah diamanahkan untuk mewakili Kerajaan Sarawak menerima anugerah tersebut.

Dengan kesempatan ini juga, saya ingin mengucapkan setinggi-tinggi tahniah kepada Ahli Yang Berhormat bagi Jepak, iaitu Yang Berhormat Tuan Haji Iskandar Turkee, calon Gabungan Parti Sarawak (GPS) kerana telah memenangi pilihan raya kecil N.67 DUN Jepak dengan majoriti yang besar baru-baru ini. Kemenangan ini adalah bukti keyakinan dan kepercayaan rakyat kepada dasar dan agenda pembangunan kerajaan GPS di bawah kepimpinan Yang Amat Berhormat Premier Sarawak.

Tuan Speaker, selaras dengan *Post COVID-19 Development Strategy 2030 (PCDS 2030)*, Kerajaan Sarawak akan terus komited dalam menyediakan infrastruktur utiliti dan telekomunikasi terutamanya di kawasan luar bandar. Kerajaan Sarawak telah memperuntukkan dana sebanyak RM12.9 bilion untuk pelaksanaan projek utiliti dan telekomunikasi sejak tahun 2018.

Untuk mengurangkan beban kewangan rakyat terutamanya kumpulan berpendapatan rendah, pelbagai inisiatif telah dilaksanakan oleh Kerajaan Sarawak melalui Kementerian saya termasuklah *Free Water Programme, Connection Charges Government Financial Assistance (CCGFA)*, Pakej Bantuan Khas Sarawakku Sayang (BKSS) yang telah menelan belanja sehingga kini berjumlah RM1.646 bilion.

BEKALAN AIR

Tuan Speaker, sekarang saya ingin menyentuh berkenaan perkembangan terkini tentang pembangunan bekalan air di Sarawak.

Kementerian saya sedang dan akan terus berusaha untuk menyediakan kemudahan bekalan air agar rakyat di seluruh pelosok Sarawak dapat menikmati bekalan air bersih, terawat, selamat dan mencukupi. Setakat suku ketiga tahun 2023, liputan keseluruhan bekalan air ke seluruh Sarawak ialah 84.2% dan liputan di kawasan luar bandar pada kadar 68.2%.

Berdasarkan Pelan Induk Bekalan Air dan Grid Air Sarawak, peruntukan terkini yang diperlukan bagi melaksanakan keseluruhan projek bekalan air bagi memenuhi permintaan bekalan air jangka masa panjang adalah dianggarkan RM20 bilion.

Water Supply Grid Programme for Stressed Areas

Untuk makluman Dewan yang mulia ini, Kerajaan Sarawak masih meneruskan pelaksanaan *Water Supply Grid Programme for Stressed Areas* yang mendapat peruntukan berjumlah RM4 bilion di bawah peruntukan *Alternative Funding*. Di bawah program ini, sebanyak 304 projek berbanding 298 projek yang dilaporkan pada persidangan lepas bekalan air dilaksanakan dan statusnya adalah seperti berikut:

- (a) 237 projek telah disiapkan bersamaan dengan 78%;
- (b) 61 projek dalam pembinaan bersamaan dengan 20%; dan
- (c) 6 projek masih dalam perancangan iaitu bersamaan dengan 2%.

Projek-projek yang telah siap di bawah program ini seperti yang dilaporkan pada Persidangan yang lepas telah dapat menyelesaikan masalah tekanan dan bekalan air khususnya di kawasan luar bandar seperti di Asajaya, Sadong Jaya, Sebang, Sebuyau, *Eco Garden* dalam DUN Dudong, Kuala Balingian, Balingian, Ulu Bayan, Pekan Sebauh, Pekan Tatau, Beluru, sebahagian Marudi, Pekan Lawas dan 14 pakej projek *Sarawak Alternative Water Supply*, ringkasnya SAWAS.

Manakala projek-projek bekalan air yang baru disiapkan ialah di kawasan Bau, Pekan Serian, Simanggang, sebahagian Sibu Jaya juga dalam Kawasan DUN Dudong, Kuala Serupai, Kuala Matu, sebahagian Belaga-Mejawah, Belawai, Tanjung Manis, Pekan Sarikei, Pakan dan sebahagian Daerah Limbang dan dua pakej projek SAWAS. Kesemua kawasan ini telah menikmati bekalan air yang stabil. Penjelasan tentang projek yang telah disiapkan ini membuktikan bahawa Kerajaan Sarawak sedang mengatasi masalah ini secara berperingkat-peringkat.

Untuk makluman ahli Dewan yang mulia ini, saya ingin memaklumkan tentang perkembangan terkini Bekalan Air Tanjung Manis (*Tanjung Manis Water Supply*) yang telah tergendala sejak sekian lama. Projek Bekalan Air Tanjung Manis telah berjaya membekalkan air ke Tanjung Manis dan kawasan sekitarnya pada 2 Oktober 2023. Maknanya Projek Bekalan Air Tanjung Manis telah siap dan mula beroperasi. Projek ini merangkumi lapan pakej dan mampu membekalkan air mentah sehingga 50 Juta Liter Sehari (JLH). Sejumlah 30 Juta Liter Sehari (JLH) air mentah adalah untuk keperluan Loji Rawatan Air Tanjung Manis iaitu di Pakej 6. Manakala baki 20 Juta Liter Sehari (JLH) air mentah lagi adalah untuk memenuhi industri di Tanjung Manis.

Di antara kawasan yang mendapat manfaat daripada siapnya projek bekalan air terawat dari Loji Rawatan Air Tanjung Manis adalah Pekan Tanjung Manis, Belawai, Jerijeh, Rejang, Serdeng dan Lapangan Terbang Tanjung Manis.

Selain daripada itu, Loji Rawatan Air Tanjung Manis juga akan menambah baik sistem bekalan air terawat di Pulau Brait selepas siapnya projek "*Proposed Water Supply to Pulau Brait, Mukah Division*". Projek ini merangkumi pembinaan saluran paip sepanjang 62 km, dua stesen pam penggalak dan empat tangki air aras tinggi dengan jumlah kapasiti 6.1 Juta Liter. Lokasi keempat-empat tangki aras tinggi tersebut terletak di Semop, Saai, Penibong dan Penipah. Setakat ini, kemajuan "*Proposed Water Supply to Pulau Brait*" adalah pada tahap 82.36% dan dijangka siap pada suku kedua tahun 2024.

Tuan Speaker,

*Pelaksanaan Projek Bekalan Air di Bawah Kajian Separuh Penggal
Rancangan Malaysia Kedua Belas (KSP RMKe-12)*

Di bawah Kajian Separuh Penggal Rancangan Malaysia Kedua Belas (KSP RMKe-12), Kerajaan Sarawak telah meluluskan peruntukan sejumlah RM591.2 juta bagi pelaksanaan 101 projek bekalan air yang merangkumi 37 projek sambungan dan 64 projek baharu. Kelulusan peruntukan ini adalah manifestasi Kerajaan Sarawak untuk meluaskan liputan serta menambah baik kemudahan bekalan air di seluruh Sarawak.

Di antara projek kritikal yang akan dilaksanakan adalah projek menaik taraf loji No. 4 di Loji Rawatan Air Batu Kitang. Iklan tender sudah dikeluarkan dan akan ditutup pada 27 Disember 2023. Sistem bekalan air baharu di Landeh (Kuching) dan Mukah, loji rawatan air baharu atau naik taraf di Engkilili (Sri Aman), Kaki Wong (Saratok), Salim dan Kanowit (Sibu), Song dan Kapit, Beluru (Miri), Lawas dan sistem sumber air mentah Nyabau (Bintulu). Pelaksanaan projek-projek ini adalah bagi memastikan kita mempunyai *reserve margin* atau air yang mencukupi pada kadar minimum 20% daripada kapasiti loji rawatan air.

Tuan Speaker,

Non-Revenue Water (NRW)

Salah satu isu utama yang menjejaskan bekalan air di Sarawak ialah Air Tidak Terhasil (*Non-Revenue Water (NRW)*) yang tinggi. Air Tidak Terhasil adalah kehilangan air semasa pengagihan kepada pengguna yang berpunca antaranya disebabkan oleh kebocoran paip, kecurian air dan meter air tidak berfungsi. Sehingga suku ketiga 2023, purata NRW atau Air Tidak Terhasil untuk keseluruhan Sarawak adalah tinggi iaitu 43%. Sedikit penurunan berbanding dengan tahun lalu. Jadi, *at least there is an improvement here*, Tuan Speaker. Untuk makluman ahli Dewan yang mulia ini, sepanjang 2,742 km saluran paip air lama serta uzur pelbagai saiz masih digunakan dalam sistem agihan bekalan air di seluruh Sarawak. Ini adalah antara punca utama yang menyebabkan kadar Air Tidak Terhasil tinggi kerana saluran paip lama ini mudah pecah menyebabkan tekanan air rendah atau terputus bekalan sehingga menyebabkan gangguan bekalan air.

Justeru, bagi menangani masalah ini, Kerajaan Sarawak telah meluluskan pelaksanaan program menaik taraf dan mengganti saluran paip air lama tersebut secara berfasa di seluruh Sarawak bermula tahun 2024. Ini melibatkan peruntukan yang dianggarkan sebanyak RM1.085 bilion. Jadi, *I hope this will solve our leakage problem and NRW in the long term and I hope also my colleagues in this august House will be patient because we will start doing the upgrading and replacement of all the old pipes that is still being used in the system starting from next year. So, we will try our best to upgrade and replace the old pipes which is still being used right now.*

Perlindungan dan Pemeliharaan Sumber Air

Tuan Speaker, bagi menjamin kemampanan atau *sustainability* bekalan sumber air mentah untuk jangka masa panjang di Sarawak, Kementerian saya sedang mengambil langkah untukewartakan 38 kawasan tadahan air sebagai tambahan kepada 28 kawasan tadahan air yang telah diwartakan. Ini bagi memastikan keterjaminan sumber air mentah selari dengan Pelan Induk Bekalan Air dan Grid Air Sarawak.

Surcaj Penggunaan Air yang Berlebihan

Untuk makluman Dewan yang mulia ini, jumlah permintaan air semasa di Sarawak adalah lebih kurang 2,000 juta liter sehari (JLH) dan unjuran permintaan air pada tahun 2030 adalah dianggarkan akan meningkat kepada 2,400 juta liter sehari (JLH).

Menurut Pertubuhan Bangsa-Bangsa Bersatu (United Nations), jumlah penggunaan air bagi seorang yang dicadangkan adalah sebanyak 165 liter sehari bersamaan dengan 19,800 liter seisi rumah sebulan.

Di Sarawak, penggunaan air bagi kategori domestik secara puratanya adalah sebanyak 224 liter seorang sehari iaitu bersamaan dengan 26,880 liter seisi rumah sebulan. Oleh yang demikian, Kementerian saya melalui agensi air yang berkaitan akan melaksanakan surcaj bagi penggunaan air domestik melebihi 35,000 liter seisi rumah sebulan. Maknanya, kalau penggunaan air itu sehingga 35,000 liter seisi rumah sebulan dan ke bawah, maka surcaj tidak akan dikenakan. Unless you use more than 35,000 MLD then you will be charged. Ini adalah penting untuk kita menggalakkan dan memberi panduan kepada para penduduk khususnya para isi rumah supaya menggunakan air kita dengan cara berhemah.

Seperti yang kita sedia maklum, fenomena perubahan iklim yang sedang berlaku sekarang boleh menjejaskan keterjaminan sumber air kita. Oleh itu, semua pihak termasuk kita yang berada di dalam Dewan yang mulia ini digesa agar bersama-sama menggunakan air secara berhemah tanpa pembaziran. Ini untuk memastikan "*Water forever, whatever the weather*".

Penubuhan One Entity and State Water Authority as a Body Corporate

Tuan Speaker, bagi memastikan kawal selia dan pembekalan air di Sarawak adalah lebih efisien dan mampan, Kementerian telah mengambil langkah penstrukturan semula sektor ini dan meneliti cadangan mengintegrasikan empat agensi bekalan air dengan penubuhan satu entiti bekalan air yang akan dikawal selia oleh sebuah badan korporat yang akan disesuaikan dengan keperluan dan perundangan di Sarawak.

Kajian terperinci bagi penubuhan *One Entity and State Water Authority as a Body Corporate*, kini sedang dalam peringkat akhir kajian.

Saya ingin menekankan di dalam Dewan yang mulia ini bahawa penubuhan satu entiti ini akan mengambil kira setiap aspek termasuk kebajikan semua kakitangan agensi bekalan air di Sarawak dan penstrukturan ini tidak akan menjejaskan pengoperasian bekalan air sedia ada kepada pengguna.

BEKALAN ELEKTRIK

Tuan Speaker, sekarang saya beralih kepada perkembangan bekalan elektrik di Sarawak.

Kapasiti Bekalan Elektrik Sarawak

Untuk makluman Dewan yang mulia ini, jumlah kapasiti penjanaan tersedia (*available generation capacity*) pada masa ini dianggarkan 5,745 Megawatt (MW). Jumlah ini mencukupi untuk menampung permintaan semasa sebanyak 4,584 Megawatt (MW).

Daripada jumlah permintaan semasa ini, sebanyak 39% (1,769 Megawatt (MW)) adalah daripada pengguna domestik, komersial dan industri. Manakala 61% (2,815 Megawatt (MW)) pula adalah daripada penggunaan berikut:

- (a) pengguna di bawah perjanjian pembelian kuasa *Power Purchase Agreement* (PPA), iaitu pengguna industri bertenaga intensif (*energy intensive industries*) di Taman Perindustrian Samalaju Bintulu (Samalaju Industrial Park); dan
- (b) tenaga yang dieksport di bawah *Power Exchange Agreement* (PEA) ke Kalimantan Barat melalui Bengkayang Connection Point.

Dari segi campuran kapasiti penjanaan (*generation capacity mix*), penjanaan tenaga hidro (*hydropower*) menyumbang sebanyak 60%. Selebihnya adalah 22% daripada gas, 17% daripada arang batu dan 1% daripada diesel.

Tuan Speaker, saya ingin menekankan bahawa adalah penting campuran kapasiti (*generation mix*) penjanaan tidak dihadkan kepada satu sumber penjanaan sahaja. Ini adalah untuk menjamin

kestabilan bekalan elektrik di Sarawak sekiranya berlaku kekangan kepada salah satu sumber campuran penjanaan tersebut.

Sekiranya kita hanya bergantung sepenuhnya dengan punca kuasa hidro, ia akan mendedahkan kita kepada risiko kekurangan kapasiti penjanaan kuasa terutama sekali semasa musim kemarau. Justeru, penjanaan tenaga menggunakan bahan api termal (*fossil fuel*) seperti gas asli, arang batu dan diesel masih perlu dikekalkan untuk menjamin bekalan tenaga yang mencukupi (*energy security*). Maknanya, *we have to take into consideration our energy security in the future*. So, that is why we emphasize on generation capacity mix this year.

Penggunaan gas asli (*Natural Gas*) untuk penjanaan elektrik secara perbandingannya adalah lebih bersih daripada bahan api termal (*fossil fuel*) yang lain seperti arang batu dan diesel. Merujuk kepada *Sarawak Energy Annual Sustainability 2021*, *carbon emission intensity* bagi gas asli adalah 0.54 tan CO₂ per Megawatt Hour (MWh), berbanding dengan arang batu, iaitu 1.13 tan CO₂ per Megawatt Hour (MWh). Ini menunjukkan penjanaan elektrik daripada gas asli melepaskan 52% lebih rendah karbon jika dibandingkan dengan arang batu. Ini juga bermakna penggunaan gas asli adalah lebih bersih daripada bahan api termal yang lain iaitu berbanding dengan arang batu dan diesel.

Berdasarkan fakta yang telah saya nyatakan tadi, adalah tidak tepat mengatakan bahawa tenaga yang dihasilkan daripada gas asli adalah sumber tenaga yang kurang bersih. Apa yang penting ialah, kita menggunakan tenaga daripada *generation mix* yang sebahagian besarnya daripada tenaga yang boleh diperbaharui ataupun *renewable energy*.

Tuan Speaker,

Unjuran Permintaan Tenaga Elektrik

Unjuran permintaan tenaga elektrik pengguna domestik, komersial dan industri dijangka meningkat kepada 6,600 Megawatt (MW) pada tahun 2030. Daripada jumlah ini, sebanyak 2,221 Megawatt (34%) adalah permintaan daripada pengguna domestik, manakala selebihnya 4,379 Megawatt (66%) adalah daripada pengguna di bawah *Power Purchase Agreement* (PPA) dan *Power Exchange Agreement* (PEA).

Beberapa projek pembinaan penjanaan kuasa baharu dan sistem talian penghantaran (*transmission line*) sedang dan akan dilaksanakan untuk memenuhi peningkatan permintaan tersebut. Ini termasuklah pembinaan Empangan Hidro Baleh, yang dijangka akan meningkatkan jumlah penjanaan kepada 8,290 Megawatt (MW) apabila ia mula beroperasi sepenuhnya pada tahun 2030.

Untuk makluman Dewan yang mulia ini, sambungan talian penghantaran ke Grid Utama dari Miri ke Daerah Lawas (*Northern Grid Extension*) dijangka siap pada tahun 2024 dan Daerah Limbang pada tahun 2025.

Tuan Speaker, peningkatan permintaan ini juga melibatkan kawasan selatan khususnya di Kuching dan Samarahan, terutamanya untuk memenuhi permintaan di Taman Industri Samajaya. Bagi memenuhi peningkatan ini, Sarawak Energy telah menyiapkan empat projek yang berikut:

- (a) Pencawang Elektrik Mambong;
- (b) Pencawang Elektrik Tondong;
- (c) Pencawang Elektrik Matang; dan
- (d) Pencawang Elektrik Entinggan A.

Jadi, keempat-empat projek ini sudah pun disiapkan. Manakala projek yang sudah dilulus menunggu untuk dilaksanakan bermula dari tahun depan ialah:

- (a) Pembinaan Pencawang Elektrik Entinggan B;

- (b) Pembinaan Pencawang Elektrik Tanjung Bako; dan
- (c) Talian penghantaran antara Pencawang Elektrik Entinggan B dan Pencawang Elektrik Tanjung Bako yang saya sebut sebentar tadi akan bermula pada bulan Januari 2024 dan dijangka siap dan beroperasi pada bulan Mac tahun 2026.

Selain daripada itu Tuan Speaker, projek-projek berikut juga dirancang untuk melengkapkan *Kuching Outer Ring* (KORN) tertakluk kepada permintaan apabila perlu. Jadi yang masih kita rancangan ialah:

- (a) Pencawang Elektrik Demak Laut; dan
- (b) Pencawang Elektrik Santubong.

Jadi, kedua-dua projek ini dirancang dan boleh dipertimbangkan untuk dilaksanakan sekiranya permintaan itu terus meningkat. Jadi, maknanya *we have standby two projects that will be implemented when and as the demand is increasing*.

Tuan Speaker,

Eksport Tenaga Elektrik

Sejak 2016, Sarawak telah mengeksport tenaga elektrik ke Kalimantan Barat dengan had kapasiti (*nominated peak capacity*) sehingga 230 Megawatt (MW) di bawah inisiatif kerjasama serantau BIMP-EAGA. Di samping itu, satu perjanjian penjualan tenaga elektrik dengan Sabah Electricity Sdn. Bhd (SESB) telah ditandatangani pada Ogos 2021 untuk membekalkan tenaga elektrik sebanyak 30 Megawatt (MW) ke Sabah.

Sarawak dijangka mengeksport tenaga elektrik sehingga 1,000 Megawatt (*capping 1,000 Megawatt*) ke Singapura menjelang tahun 2032. Projek ini telah pun dipersetujui antara pihak Kerajaan Malaysia dan Kerajaan Singapura. Projek ini melibatkan pemasangan kabel dasar laut yang dianggarkan sepanjang 720 km dari Tondong, Sarawak terus ke Changi, Singapura. *Interconnection* kabel dasar laut tersebut akan melalui Koridor Muri-Midai, Indonesia.

Perjanjian berkaitan koridor Muri-Midai ini telah ditandatangani oleh Malaysia dan Indonesia pada tahun 1983.

Dianggarkan 80% kabel tersebut akan merentasi Koridor Muri-Midai, Indonesia manakala baki 20% melalui kawasan perairan Malaysia dan Singapura. Projek kabel ini akan ditaja jamin (*to be underwritten by Singapore*) oleh pihak Singapura.

Tuan Speaker, untuk makluman Dewan yang mulia ini, jumlah tenaga elektrik yang dieksport pada ketika ini hanyalah secara purata 2% sahaja daripada 5,745 megawatt (MW). Dengan mengambil kira eksport ke Sabah dan Singapura, menjelang tahun 2032, peratusan ini akan meningkat secara purata 12%, iaitu 1,130 megawatt daripada anggaran kapasiti penjanaan sebanyak 9,529 megawatt.

Ini bermakna menjelang tahun 2032 berdasarkan unjuran, kita masih mempunyai tenaga elektrik yang mencukupi sebanyak 8,399 megawatt (88%) untuk kegunaan dan keperluan tempatan di Sarawak termasuk rizab margin (*reserve margin*) dalam lingkungan sebanyak 22% sehingga 25%.

Dengan adanya eksport lebih tenaga elektrik ini, Sarawak berpeluang menambah hasil pendapatan bagi memperkasakan usaha pembangunan termasuk infrastruktur utiliti sejajar dengan aspirasi Sarawak maju menjelang tahun 2030 dan menjadikan Sarawak sebagai hab tenaga boleh diperbaharui di rantau ASEAN. Selaras dengan PCDS 2030, disasarkan sejumlah 15% daripada pendapatan sektor tenaga elektrik Sarawak diperolehi daripada pasaran antarabangsa melalui tenaga boleh diperbaharui (*renewable energy*).

Bekalan Elektrik Luar Bandar (BELB)

Tuan Speaker, sukacita saya nyatakan di Dewan yang mulia ini, usaha-usaha membekal elektrik khususnya ke kawasan luar bandar Sarawak sedang dan terus diusahakan dengan lebih giat bagi mencapai sasaran liputan penuh melalui agensi pelaksana iaitu Sarawak Energy. Kerajaan Sarawak telah memperuntukkan sebanyak RM2.37 bilion melalui *Alternative Funding* bagi melaksanakan sejumlah 210 projek bekalan elektrik di luar bandar. Sehingga kini, datanya adalah seperti berikut:

- (a) 130 projek telah siap;
- (b) 60 projek sedang dalam pelaksanaan dan dijangka siap secara berperingkat menjelang tahun 2025; dan
- (c) 20 projek akan dilaksanakan pada awal tahun 2024.

Maknanya, *we are still doing the implementation of rural electricity supply in stages. So, I hope my colleague in this august House will be patient enough to see the progress from time to time.*

Apabila siap sepenuhnya, projek-projek ini akan memberi manfaat kepada sejumlah 29,500 isi rumah di kawasan luar bandar.

Tuan Speaker, di bawah Kajian Separuh Penggal Rancangan Malaysia Kedua Belas (KSP RMKe-12), Kerajaan Sarawak juga telah meluluskan peruntukan sejumlah RM50.5 juta bagi pelaksanaan tiga projek baharu bekalan elektrik seperti berikut:

- (a) sambungan bekalan elektrik dari Sistem Grid Utama ke sistem *Off Grid Sarawak Alternative Rural Electrification Scheme* (SARES);
- (b) penggantian berjadual komponen-komponen utama bagi sistem SARES termasuk bateri yang menghampiri jangka hayat; dan
- (c) kajian awal untuk pembinaan pencawang 33 kV di Pekan Tunoh dan pemasangan talian 33 kW *Medium Voltage Covered Conductor* (MVCC) dari Gaat ke Tunoh.

Dalam usaha untuk mengatasi masalah kekerapan terputus bekalan elektrik, Kementerian saya melalui Sarawak Energy telah dan sedang menambah baik prestasi talian di kawasan luar bandar dengan mengambil tindakan seperti berikut:

- (a) penyelenggaraan talian atas (*overhead line*) secara berkala;
- (b) pemotongan dahan dan ranting pokok secara berkala di setiap tiang elektrik;
- (c) pemasangan sistem pengawasan pintar yang dikenali sebagai *Line Fault Indicator* (LFI). Sistem ini akan mempercepatkan pengesanan kerosakan di talian atas (*overhead line*);
- (d) menambah atau menaik taraf kapasiti alat ubah (*transformer*) kepada kapasiti yang lebih tinggi; dan
- (e) pembinaan pencawang baharu di kawasan yang memerlukan.

So, we will take this action accordingly and these are among the feedback that we have received from the various areas including from our Members in this august House. So, kita akan mengambil tindakan yang sewajarnya; seperti yang saya maksudkan tadi.

Additional and Late Applicant Fund (ALAF)

Tuan Speaker, untuk makluman Dewan yang mulia ini, sebanyak 21,073 isi rumah telah diluluskan; saya ulangkan ya, untuk makluman Dewan yang mulia ini, sebanyak 21,073 isi rumah telah diluluskan untuk dilaksanakan projek ALAF di seluruh Sarawak. Daripada jumlah tersebut, sebanyak 14,649 isi rumah telah siap dilaksanakan dan sebanyak 5,126 isi rumah sedang dalam pelbagai peringkat pelaksanaan (*various stages of implementation*). Manakala, sebanyak 1,298 isi rumah masih lagi dalam peringkat survei dan reka bentuk yang akan dilaksanakan berdasarkan giliran dan ketersediaan maklumat lengkap yang kita perolehi dari semua pemohon yang berkaitan.

Electricity Ordinance (Chapter 50)

Tuan Speaker, pindaan kepada *Electricity Ordinance (Chapter 50)* telah pun saya bantangkan di Dewan yang mulia ini pada hari Selasa yang lepas. Dengan lulusnya pindaan ini, pembangunan sektor tenaga boleh diperbaharui di Sarawak akan dapat dibangunkan dengan lebih giat lagi. Ini sejajar dengan hasrat kita membangunkan hidro dan tenaga solar untuk menggalakkan penyertaan dalam skim *Net Energy Metering* (NEM). Peranan Sarawak Energy selaku “*single buyer*” juga diwujudkan sebagai entiti tunggal bagi memudah cara pembangunan sektor tenaga boleh diperbaharui di Sarawak.

Cascading Dam (Empangan Melata)

With the passing of the Electricity (Amendment) Bill, 2023 last Tuesday, this opens up opportunities for us to develop our hydropower potential through cascading dams. Cascading dams are our new approach to develop our hydropower potential, because it does not require large reservoir or inundate large area of land but rely on water flow. This new approach can be more sustainable, minimising environmental and social impacts.

The passing of this Bill also provides opportunities for private, public, and local communities to participate through equity in the development of hydropower with Sarawak Energy if the local community wants the hydro project to be developed in their area. Again, the local participation in developing the cascading dams depend on their willingness without force. Nevertheless, Sarawak Energy will continue to take the lead to ensure grid stability, safety and security.

Sarawak Energy adopts International Hydropower Sustainability Standards in carrying out its projects in line with Environmental, Social and Governance (ESG) policies. The communities and local leaders will be engaged early in the project implementation. Hopefully, there will be no interference by outsiders influencing the local community in the area.

Tuan Speaker, Sarawak Energy is currently carrying out feasibility study to develop Trusan Hydroelectric project and looking at cascading dams as a possibility choice. All key stakeholders will be engaged including local representatives, leaders and local communities in the area. We have yet to make any decision to proceed with Trusan or Baram dams at this stage.

There is a Strategic Collaboration Agreement signed between Sarawak Energy and Gentari Sdn. Bhd. (a subsidiary of PETRONAS) on 27th June 2023. The agreement is to explore opportunities to collaborate in developing and deploying clean energy solutions in Sarawak. Therefore, the report raised by Ahli Yang Berhormat for Ba’Kelalan on Petroliaam Nasional Berhad (PETRONAS), Cahaya Mata Sarawak Bhd. and Gamuda Bhd. as strong contenders for construction of Trusan and Baram dams is not accurate. For the record, I would like to reiterate here, there has been no final decision made as yet on Trusan and Baram dams.

Tuan Speaker, hasrat Kerajaan Sarawak membekalkan elektrik di Kawasan Lawas melalui sambungan ke Grid Sarawak akan menjadi kenyataan, apabila projek talian penghantaran 275 kV dari Medamit ke Lawas siap dilaksanakan oleh Sarawak Energy pada tahun 2024 di bawah program *Northern Grid Extension*. Dengan siapnya projek ini, masalah gangguan bekalan elektrik di Lawas dijangka dapat diatasi.

Manakala bagi bekalan elektrik luar bandar, Kementerian kami melalui Sarawak Energy selaku agensi pelaksana telah melakukan tindakan berikut bagi mempercepat pelaksanaan projek ALAF antaranya:

- (a) Menambahkan bilangan kontraktor, juruperunding dan *competent person* dalam kerja-kerja elektrik; dan
- (b) menyediakan pakej kontrak yang lebih besar untuk mendapat manfaat daripada *economics of scale*.

So, we would like to encourage the participation of contractors so that it is viable for them to participate.

PENGEDARAN GAS

Tuan Speaker, seterusnya, saya akan menyentuh berkenaan Pengedaran Gas.

Inisiatif kepada Penggunaan Gas di Sarawak

Kementerian saya, melalui PETROS, akan menjalankan usaha berterusan untuk meningkatkan penggunaan gas di Sarawak selaras dengan *Sarawak Gas Roadmap* melalui beberapa projek utama.

Kementerian saya melalui PETROS akan melaksanakan projek Bintulu-Samalaju *Gas Pipeline* dan projek membina Stesen Janakuasa *Combined Cycle Gas Turbine* (CCGT) berkapasiti 400 megawatt (MW) di Miri. Projek-projek ini dijangka bermula pada tahun hadapan *that is* 2024. Selain Miri, pembinaan CCGT di Samalaju akan dibina atas usaha Sarawak Energy.

Inisiatif ini merupakan langkah bijak Kerajaan Sarawak dalam usaha mengubah peralihan tenaga daripada penggunaan arang batu atau diesel kepada gas kerana sumber tenaga daripada gas secara perbandingannya lebih bersih (*cleaner*) daripada sumber tenaga arang batu dan diesel. Pada masa yang sama, fokus Kerajaan Sarawak adalah untuk menjana elektrik berasaskan sumber hidro melalui kaedah *cascading dams* (empangan melata) pada fasa peralihan ataupun *transition stage* tenaga adalah langkah yang tepat sekali.

PETROS juga akan melaksanakan projek perintis *Sarawak Virtual Pipeline System* (VPS), di mana gas asli cecair (*Liquefied Natural Gas - LNG*) akan dihantar dari Bintulu ke bandar raya Kuching. Projek ini masih lagi peringkat rundingan komersial dan dijangka akan dimuktamadkan pada suku pertama tahun 2024.

PETROSNiaga Pengedar Liquefied Petroleum Gas (LPG) Bersubsidi di Sarawak

Tuan Speaker, Kementerian ini membuat penyusunan komersial untuk mengawal selia dan menguatkuasakan aktiviti pengedaran gas LPG bersubsidi dengan lebih berkesan dan efisien di Sarawak. PETROSNiaga iaitu anak syarikat PETROS milik Kerajaan Sarawak akan menjadi pengedar tunggal bagi pasaran LPG bersubsidi yang melibatkan lebih daripada 700,000 silinder gas di seluruh Sarawak bermula 1 Disember 2023.

Kementerian Utiliti dan Telekomunikasi Sarawak telah membuat keputusan penting berhubung dengan pengedaran gas LPG bersubsidi di Sarawak. Pada masa ini, terdapat dua syarikat pembekal LPG bersubsidi iaitu PETROSNiaga menguasai 68% pasaran di seluruh Sarawak manakala 32% dikuasai oleh Syarikat MYGAZ Sdn. Bhd.

PETROSNiaga adalah syarikat tempatan yang dimiliki oleh PETROS sebanyak 51% ekuitinya dan 49% milik PETRONAS Dagangan Berhad. Ini bermakna kedua-dua syarikat ini adalah *Malaysian Based Company*. Manakala MYGAZ Sdn. Bhd. adalah anak Syarikat SIAM Gas yang merupakan sebuah syarikat pembekal Gas Petroleum Cecair (LPG) dari negara Thailand.

Selepas pertimbangan teliti berhubung dengan Syarikat MYGAZ Sdn. Bhd., Kementerian saya telah memutuskan bahawa lesen LPG bersubsidi untuk syarikat MYGAZ Sdn. Bhd. yang tamat pada 30 November 2023 tidak diperbaharui. Maknanya, *it is not true to say that we terminate the license because the license will expire on the 30th November 2023*. Saya hairan kenapa Ahli Yang Berhormat bagi Padungan beria-ia menyokong MYGAZ Sdn. Bhd., kenapa? You should be supporting our very own Malaysian company. Lagipun, saya hairan juga beliau mengatakan bahawa kita *terminate*, tidak, tidak timbul kita membatalkan lesen tersebut. Because we are not renewing,

these are two different situations. So, I hope Honourable Member for Padungan, you are not here again, you are always absent. So, I hope you will be around to listen to our winding up.

Ini bermakna Tuan Speaker, MYGAZ Sdn. Bhd. tidak lagi dibenarkan menjalankan berniaga LPG bersubsidi bermula 1 Disember 2023. Kerajaan Sarawak mengucapkan terima kasih kepada MYGAZ Sdn. Bhd. yang telah menjadi pembekal Gas LPG bersubsidi sejak mengambil alih daripada SHELL bermula pada tahun 2013 iaitu selama 10 tahun. Maknanya, *MYGAZ also took over from SHELL in 2013.*

Walau bagaimanapun Tuan Speaker, lesen LPG tanpa subsidi untuk MYGAZ Sdn. Bhd. masih lagi sah sehingga 29 Jun 2024. Ini bermakna MYGAZ Sdn. Bhd. masih lagi menjalankan perniagaan LPG tanpa subsidi di Sarawak. Meaning that, MyGaz is still doing LPG Trading for the non-subsidy LPG in Sarawak. So, what is the problem with our Honourable Member for Padungan? You should be realizing this...*(Interruption)*... saya tidak tahu itu *lah*.

Tuan Speaker, kini sudah tiba masanya untuk syarikat tempatan Malaysia sendiri, yang berpangkalan di Sarawak, iaitu PETROSNiaga dilantik sebagai pengedar gas LPG bersubsidi di Sarawak bermula pada 1 Disember 2023. Janganlah syarikat tempatan kita, *"kita tengok sahaja"* syarikat luar berniaga di Sarawak sehingga *"pelik-pelik jak mata kita empun nangga"*...*(Interruption)*...betul?

Kementerian saya amat yakin, PETROSNiaga dengan kekuatan sebanyak 65 *dealer* serta 280 *sub-dealer* akan memberi peluang pekerjaan kepada ribuan rakyat Sarawak. Sebanyak 16 *dealer* yang bernaung di bawah MYGAZ Sdn. Bhd. sebelum ini, pada bila-bila masa boleh beralih kepada PETROSNiaga untuk mendapatkan bekalan Gas LPG bersubsidi.

Meaning that, the 16 dealers under the wing of MYGAZ Sdn. Bhd. can always revert to PETROSNiaga anytime from now or from the 1st December. Dengan ini, tidak timbul isu kehilangan pekerjaan seperti yang didakwa oleh pihak yang berkaitan yang mana juga semasa MYGAZ Sdn. Bhd. mengambil alih operasi daripada SHELL pada tahun 2013. Maknanya, *the situation is the same*. So, cuma saya rasa hairan sedikit *lah* Tuan Speaker, *Honourable Member for Padungan* mengatakan bahawa kita perlukan *enforcement* yang berkekuatan 3,000 orang *personnel*. Ini yang disebutkan oleh Ahli Yang Berhormat bagi Padungan. Pada masa yang sama, pihak MyGaz Sdn. Bhd. juga mengatakan 3,000 orang akan kehilangan pekerjaan. So, dua-dua menggunakan angka 3,000. I do not know what is the co-relation between the two *lah*. It is up to you to guess. *"Apa kenak duak-duak makei angka 3,000 ya?"* Saya tidak tahu, itu hanya Honourable Member for Padungan *himself knows very well*...*(Interruption)*...

Kementerian saya percaya keupayaan PETROSNiaga untuk memastikan bekalan gas LPG bersubsidi adalah mencukupi serta mampu membekalkan *standard* perkhidmatan yang tinggi dan sekaligus menyumbang kepada kesejahteraan ekonomi Sarawak.

Distribution of Gas Ordinance (Chapter 72)

Seperti yang kita sedia maklum, pindaan kepada Distribution of Gas (Amendment) Ordinance (Chapter 72) telah dibentang dan diluluskan oleh Dewan yang mulia ini pada 21 November yang lepas. Pindaan ini membolehkan Kerajaan Sarawak untuk melantik *Gas Aggregator* bagi mengurus perolehan gas asli daripada pelbagai sumber dan mengedarkannya secara optimum kepada pengguna, pelabur dan pemain industri di Sarawak.

Bagi tujuan ini, Kementerian saya melalui PETROS, akan terus berusaha untuk meningkatkan penggunaan gas di Sarawak sekurang-kurangnya ke tahap 30% selaras dengan Sarawak Gas Roadmap. Dan kita percaya, di antara perkara yang boleh kita beri perhatian dalam kita menyasarkan penggunaan gas sehingga 30% ialah supaya kita dapat menggalakkan pertumbuhan *downstream industries* ataupun industri hiliran yang berasaskan penggunaan gas di masa yang akan datang. Meaning that, that will provide job opportunities for Sarawakian in the near future,

besides that, it will also increase our revenue from gas based industries in Sarawak. Jadi maknanya kita dapat melipatgandakan penggunaan gas dalam kalangan pemain-pemain industri di Sarawak. Ini yang menjadi sasaran kita jadi kita berharap ianya akan disedari oleh semua pihak termasuk Ahli Yang Berhormat bagi Padungan. Telekomunikasi, Tuan Speaker, seterusnya saya akan menyampaikan perkembangan dan...(Interruption)...

Tuan Speaker: Honourable Member, Honourable Minister, we have a short break. Sitting resumes at 11.40 a.m.

(Mesyuarat ditangguhkan pada pukul 11.10 pagi)

(Mesyuarat dimulakan pada pukul 11.48 pagi)

[Tuan Speaker mempengerusikan Mesyuarat]

Tuan Speaker: Yang Berhormat Dato Sri Haji Julaihi bin Haji Narawi, Menteri Utiliti dan Telekomunikasi untuk menyampaikan ucapan penggulungan.

Menteri Utiliti dan Telekomunikasi (YB Dato Sri Haji Julaihi bin Haji Narawi): Terima kasih, Tuan Speaker, kerana membolehkan saya untuk meneruskan ucapan penggulungan yang seterusnya dan mungkin *a short break is sufficient for us to take a short rest*. Mungkin ada yang perlu berehat sebentar. Namun, terima kasih.

TELEKOMUNIKASI

Seterusnya, saya akan menyampaikan perkembangan dan pembangunan telekomunikasi di Sarawak.

Liputan Telekomunikasi di Sarawak

Kerajaan Sarawak melalui inisiatif Sarawak Linking Urban, Rural and Nation (SALURAN) dan Kerajaan Persekutuan melalui inisiatif Pelan Jalinan Digital Negara (JENDELA) akan meneruskan usaha untuk memperluas dan menambah baik liputan telekomunikasi di Sarawak khususnya di kawasan luar bandar.

Seperti yang dimaklumkan di dalam persidangan Dewan Undangan Negeri yang lepas, dianggarkan sebanyak 7,000 menara telekomunikasi diperlukan bagi mencapai liputan penuh di kawasan berpenduduk (*populated area*) menjelang tahun 2030. Setakat ini, sebanyak 4,217 menara telekomunikasi iaitu bersamaan dengan 60.2% telah beroperasi berbanding dengan 3,708 menara telekomunikasi bersamaan 52.9% seperti dimaklumkan pada persidangan yang lepas. Liputan perkhidmatan internet di kawasan penempatan di Sarawak setakat ini adalah 76.3%. Meaning, that the number of telecommunication towers we have built to date has increased as compared to the previous sitting. So, this is a good progress, Tuan Speaker. Hopefully this will be able to assist us to achieve a better coverage especially in the rural areas.

Usahasama Kerajaan Sarawak dan Persekutuan bagi Pengoperasian Menara SMART di Luar Bandar

Tuan Speaker, Kerajaan Sarawak telah melaksanakan program intervensi bagi mempercepatkan usaha peluasan liputan perkhidmatan telekomunikasi di kawasan luar bandar di Sarawak melalui inisiatif SALURAN dengan peruntukan sebanyak RM1.89 bilion. Antara projek yang dilaksanakan di bawah inisiatif SALURAN ini termasuk pembinaan 600 menara telekomunikasi baharu di luar bandar yang dikenali sebagai projek *Sarawak Multimedia Authority Rural Telecommunication* (SMART). SMART adalah salah satu komponen daripada program intervensi yang dilakukan oleh Kerajaan Sarawak. So, I hope this will be understood well by all Honourable Members.

Untuk makluman ahli Dewan yang mulia ini, syarikat penyedia perkhidmatan mudah alih kurang berminat untuk menyediakan perkhidmatan mereka di menara SMART kerana pulangan komersial yang terhad. Sebagai langkah intervensi, Kerajaan Sarawak telah mengadakan beberapa sesi libat urus, *negotiation and discussion*, dengan Kerajaan Persekutuan khususnya Kementerian Komunikasi dan Digital (KKD) dan bagi memastikan semua menara SMART tersebut dapat beroperasi.

Hasil daripada sesi libat urus tersebut, Kerajaan Persekutuan dengan kerjasama syarikat penyedia perkhidmatan mudah alih utama telah mencapai persetujuan untuk berkongsi kos pengoperasian menara SMART yang dianggarkan jumlahnya RM207 juta. Kos pengoperasian ini, sebanyak RM207 juta, adalah untuk tempoh tiga tahun bermula tahun 2024 sehingga 2026. Selepas tempoh ini tamat kelak, syarikat penyedia perkhidmatan mudah alih utama tersebut akan menanggung sepenuhnya kos pengoperasian kesemua menara tersebut. Jadi, disinilah ada *progress* di antara perbincangan kita dengan pihak Kerajaan Pusat kerana *the cost of operating all the* menara SMART ini memerlukan perbelanjaan. Jadi disinilah kita mengucapkan ribuan terima kasih kepada Kerajaan Pusat khususnya Kementerian Komunikasi dan Digital kerana sanggup meluluskan peruntukan tersebut kerana kita sudah membina menara seperti yang diperlukan.

Pelaksanaan Teknologi 5G

Kerajaan Persekutuan melalui Digital Nasional Berhad (DNB) telah menyediakan peruntukan sebanyak RM1 bilion untuk pelaksanaan 5G di Sarawak bagi tempoh tahun 2022 hingga 2030. Sebanyak 589 tapak 5G dijadualkan beroperasi di seluruh Sarawak menjelang tahun 2024 seperti yang disasarkan. Ini akan menyumbang kepada 60% Liputan 5G di Kawasan Berpenduduk (*Coverage of Populated Areas, COPA*) di Sarawak.

Digital Community Centre (DCC) dan Pusat Ekonomi Digital (PEDi)

Tuan Speaker, sebanyak 45 Digital Community Centre (DCC) kendalian Kerajaan Sarawak dan 133 Pusat Ekonomi Digital (PEDi) di bawah seliaan Suruhanjaya Komunikasi dan Multimedia Malaysia (MCMC) telah beroperasi di seluruh Sarawak. DCC dan PEDi bertujuan untuk membantu masyarakat luar bandar mahir dalam bidang ICT dan keusahawanan digital. Sejumlah 23 PEDi baharu akan dibina di seluruh Sarawak pada tahun hadapan.

Sehingga kini, seramai lebih 266,000 pengguna telah menerima manfaat daripada program dan latihan yang disediakan melalui DCC dan PEDi. Daripada jumlah pengguna tersebut, lebih 6,000 pengguna adalah usahawan yang telah mengikuti pelbagai latihan keusahawanan digital di DCC dan PEDi bagi meningkatkan kemahiran dalam menggunakan platform digital untuk memperluas perniagaan mereka.

Point of Presence (PoP)

Tuan Speaker, *Projek Point of Presence (PoP)* yang dilaksanakan oleh Kerajaan Persekutuan melalui Kementerian Komunikasi dan Digital (KKD) melibatkan projek pembangunan infrastruktur gentian optik di kawasan luar bandar. Projek PoP hanya menggunakan lokasi sekolah sebagai titik rujukan (*point of reference*) kerana kebiasaannya di kawasan luar bandar di mana ada sekolah di situ ada penempatan komuniti sama ada kawasan perkampungan atau rumah panjang.

Sebanyak 60 lokasi di bawah di bawah POP Fasa 1 telah disiapkan manakala terdapat 681 lokasi lagi telah dikenal pasti di bawah POP Fasa 2 yang sedang dilaksanakan dan dijadualkan siap secara berperingkat menjelang tahun 2025.

Dengan pelaksanaan projek PoP ini, sekolah-sekolah serta premis dalam lingkungan 2.5 km radius lokasi PoP tersebut akan berpeluang melanggan perkhidmatan internet berkelajuan tinggi daripada syarikat penyedia perkhidmatan internet. Oleh itu, Kerajaan Sarawak menyeru supaya Kerajaan Pusat khususnya Kementerian Komunikasi dan Digital (KKD) dan Kementerian Pendidikan

Malaysia (KPM) memberi peruntukan khas untuk kerja-kerja penyambungan kabel gentian optik PoP ke premis sekolah berserta langganan perkhidmatan internet. Ini bagi memastikan kakitangan dan pelajar sekolah dapat menikmati perkhidmatan internet daripada kemudahan PoP. Sebabnya, seperti yang saya kata tadi PoP Cuma menggunakan sekolah sebagai rujukan. Dan tidak masuk di dalam kawasan sekolah itu sendiri. Jadi, oleh itulah maka amat penting kita mohon supaya Kementerian Komunikasi dan Digital dan Kementerian Pendidikan Malaysia memberi peruntukan khas supaya sekolah tidak hanya melihat bahawa kemudahan itu ada tetapi tidak boleh digunakan. Jadi itu di antara sebab utama mengapa kita memohon peruntukan khas daripada kedua-dua Kementerian yang saya sebut tadi.

Pusat Data (Data Center)

Tuan Speaker, pusat data merupakan salah satu infrastruktur digital utama yang akan menyumbang Sarawak ke arah kemajuan teknologi dan ekonomi digital. Dengan adanya pusat data atau data *centre*, aktiviti penyimpanan, pemprosesan serta pengurusan data industri, perniagaan, penyelidikan dan perkhidmatan awam dapat dikendalikan dengan efisien dan selamat.

Ketika ini, Sarawak mempunyai sebuah Pusat Data Tier-4 (Tier-IV) pertama di rantau ini yang sudah beroperasi dan ditauliahkan oleh Uptime Institute. Sarawak juga mempunyai pusat-pusat data lain di bawah kendalian pihak swasta dan awam. So, we have one Tier-4 Data Center already and the location is somewhere at Santubong and Buntal area. So, this is an achievement when there is a willingness from among the private sector to set up Tier-4 Data Center. So, we hope there will be more in the near future.

Untuk makluman Dewan yang mulia ini, pihak MCMC, SMA, SDEC, DNB dan TM ada membuka kaunter maklumat dan aduan dari jam 10 pagi tadi sehingga 4 petang ini di perkarangan Dewan Undangan Negeri. Ahli-ahli Yang Berhormat yang memerlukan maklumat lanjut berkenaan projek atau perkhidmatan telekomunikasi di kawasan masing-masing, bolehlah berkunjung ke kaunter tersebut. Jadi, *this is the goodwill by the MCMC, SMA, SDEC, DNB and TM* untuk menyediakan kaunter di aras bawah, di aras 2 supaya membolehkan Ahli-ahli Yang Berhormat yang memerlukan maklumat lanjut tentang kemudahan yang disediakan di kawasan masing-masing. I hope our Members will visit and inquire from them what are the available facilities right now in their respective areas.

HALA TUJU

Tuan Speaker, seterusnya saya ingin menyentuh tentang hala tuju.

Koridor Utiliti

Untuk makluman Dewan yang mulia ini, antara cabaran utama kita ialah ketiadaan koridor utiliti bagi menempatkan semua kemudahan utiliti dan telekomunikasi seperti paip dan kabel. Ini telah melambatkan pelaksanaan projek-projek pembangunan selain menambah kos projek kerana kesukaran untuk mengesan kedudukan utiliti serta menyukarkan kerja-kerja penyelenggaraan. Justeru, koridor utiliti perlu diwujudkan untuk memudahkan perancangan pembangunan, pemindahan dan penyelenggaraan kemudahan utiliti. Oleh kerana pewujudan pengurusan koridor utiliti adalah sangat kompleks, maka penilaian terperinci perlu dilaksanakan. As of now, Land and Survey Department has been entrusted to assist us to have Corridor Utility in the near future. So, now I hope it will materialize very soon.

Pendigitalan Bekalan Air dan Elektrik

Tuan Speaker, untuk makluman Dewan yang mulia ini, selaras dengan matlamat PCDS 2030, Kementerian bersama Agensi di bawah Kementerian saya sentiasa berusaha untuk melaksanakan Inisiatif Pendigitalan Utiliti bagi meningkatkan kecekapan operasi dan kualiti perkhidmatan. Bagi meningkatkan pengoperasian bekalan air, pusat kawalan atau *command center* dan sistem SCADA

(Supervisory Control and Data Acquisition) telah dibina untuk memantau loji rawatan air dan sistem rangkaian bekalan air secara atas talian. Penggunaan Internet of Things (IoT) dan Teknologi Pintar membolehkan agensi bekalan air mengesan Air Tak Terhasil (NRW), tekanan air rendah, gangguan bekalan air dan seterusnya mengambil tindakan awal untuk memperbaiki keadaan ini sekiranya berlaku.

Sarawak kini sedang membangunkan Sistem Grid Elektrik Pintar bagi menambah baik prestasi sistem pengedaran dan pengagihan bekalan elektrik. Inisiatif ini termasuk automasi sistem pengagihan, infrastruktur pemeteran terkini, pengurusan prestasi aset Pintar dan pendigitalan loji-loji penjaan menerusi pemantauan jarak jauh dan diagnostik. Ini adalah usaha untuk menuju ke arah transformasi sistem grid elektrik yang mampan, cekap dan pintar. Penggunaan meter air dan meter elektrik Pintar merupakan strategi pendigitalan utiliti untuk menambah baik kecekapan operasi dan penyampaian perkhidmatan. Setakat ini, sebanyak 69,726 meter Air Pintar dan 64,141 meter Elektrik Pintar sudah dipasang dan akan diperluas secara berperingkat-peringkat di seluruh Sarawak.

Keperluan Tenaga Mahir dalam Industri Utiliti

Tuan Speaker, setakat ini sebanyak 37 buah institusi tempatan telah ditauliahkan oleh Kementerian saya untuk menjalankan kursus kompetensi dan peperiksaan yang berkaitan dalam industri utiliti seperti kerja-kerja pemasangan elektrik, jurugegas paip, penyambungan paip, dan jurugegas gas. Kementerian saya akan mentauliahkan lebih banyak institusi bagi melahirkan lebih ramai tenaga kerja mahir untuk memenuhi keperluan industri utiliti di Sarawak. Jadi saya berharap Ahli-ahli Yang Berhormat akan mewar-warkan kepada anak muda lepasan sekolah yang mungkin berminat untuk mengikuti kursus-kursus yang disediakan dengan kerjasama pusat-pusat latihan tempatan yang ada di Sarawak pada masa kini. Kementerian saya juga akan mengkaji silibus dari semasa ke semasa agar kursus yang diberikan seiring dengan arus perkembangan teknologi dan keperluan industri.

Keselamatan Siber (CyberSecurity)

Keselamatan siber adalah elemen penting dalam perkhidmatan digital. Bagi tujuan ini, Kerajaan Sarawak melalui SMA (Sarawak Multimedia Authority) telah dipertanggungjawabkan untuk mewujudkan Unit Keselamatan Siber selaras dengan Sarawak *Digital Economy Blueprint* 2030. Unit ini akan bekerjasama rapat dengan agensi-agensi yang berkaitan untuk membangunkan dasar keselamatan, prosedur dan garis panduan bagi memastikan sistem mereka sentiasa dilindungi dengan baik daripada ancaman siber.

CABARAN

Tuan Speaker, seterusnya saya akan membentangkan tentang cabaran yang dihadapi oleh Kementerian saya.

Masalah Izin Lalu (Wayleave)

Dalam usaha melaksanakan projek pembangunan utiliti dan telekomunikasi, Kementerian saya sehingga kini masih menghadapi beberapa cabaran berkaitan isu izin lalu ataupun wayleave. Justeru, Kementerian saya telah mengambil beberapa langkah bagi menangani isu izin lalu yang kerap dihadapi dalam melaksanakan projek utiliti dan telekomunikasi. Untuk makluman Dewan yang mulia ini, melalui pindaan Rang Undang-Undang, Electricity (Amendment) Bill, 2023 yang telah diluluskan, pindaan ini secara langsung membenarkan Sarawak Energy Berhad sebagai pemegang lesen elektrik untuk memasuki lokasi tapak bagi tujuan kerja-kerja pelaksanaan, pembaikan dan penyelenggaraan projek-projek elektrik. Ini boleh mengurangkan masalah izin lalu seterusnya memastikan projek dapat dilaksanakan tanpa kelewatan. Jadi amat penting sekali ada kuasa untuk membolehkan pihak Sarawak Energy Berhad memasuki lokasi apabila melaksanakan ataupun membuat penyelenggaraan bagi projek-projek di kawasan lapangan.

Selain itu, sebagai permulaan, Kementerian ini melalui SMA (Sarawak Multimedia Authority) akan membangunkan aplikasi digital bagi permohonan izin lalu dalam pelaksanaan projek telekomunikasi. Ini bagi memastikan urusan permohonan izin lalu dapat diproses dengan lebih efisien dan efektif. Sistem aplikasi digital ini kelak akan diperluas untuk pelaksanaan projek bekalan air dan elektrik.

Vandalisme dan Penguatkuasaan

Tuan Speaker, untuk makluman Dewan yang mulia ini, masalah vandalisme terhadap kemudahan utiliti dan telekomunikasi masih merupakan cabaran besar yang dihadapi oleh Kementerian saya dan agensi-agensi di bawah seliaan Kementerian saya. Masalah vandalisme yang berlaku telah menyebabkan gangguan perkhidmatan utiliti dan telekomunikasi. Untuk tempoh tahun 2022 sehingga Oktober 2023, jumlah kerugian yang disebabkan oleh vandalisme adalah dianggarkan bernilai lebih daripada RM20 juta. So, this is a big amount when all our utilities are being vandalised statewide. Sumber maklumat ini adalah berdasarkan laporan oleh semua agensi utiliti dan telekomunikasi yang berkaitan di bawah seliaan Kementerian saya.

Bagi memerangi kegiatan vandalisme ini, Kementerian saya bersama dengan pelbagai agensi penguat kuasa sama ada di peringkat Persekutuan dan Negeri turut melaksanakan aktiviti penguatkuasaan terhadap kegiatan vandalisme seperti kecurian peralatan telekomunikasi, air dan elektrik.

Kes yang terburuk berlaku antaranya melibatkan kecurian kabel yang menyebabkan keseluruhan struktur menara telekomunikasi terbakar di kawasan Paya Mebi Landeh, Kuching baru-baru ini. Menara ini adalah menara dikategorikan sebagai *corrector* yang menghubungkan 11 menara lain di kawasan Landeh, Padawan, Siburan dan Bau yang mengakibatkan terputusnya perkhidmatan telekomunikasi di kawasan tersebut. Banyak lagi kes-kes lain seumpama ini berlaku di seluruh Sarawak.

Di samping itu, Kementerian saya juga melancarkan Kempen Anti Vandalisme di sekolah menengah terpilih di Sarawak dengan kerjasama agensi yang berkaitan khususnya Jabatan Pendidikan. Kempen ini bertujuan untuk memberi kesedaran awal tentang kesan buruk vandalisme kepada masyarakat. Pada tahun ini, Kementerian saya telah melaksanakan kempen di tiga buah sekolah terpilih di Kuching, Sematan dan Sibu yang melibatkan hampir 700 orang pelajar. So, I hope we will be able to continue anti-vandalism campaign again next year and I hope we will get better cooperation and participation from among the Honourable Members in this august House because vandalism has a very bad impact on our utilities in the rural areas as well.

Kelewatan Pelaksanaan Projek Bekalan Air Biayaan Persekutuan

Tuan Speaker, untuk makluman Dewan yang mulia ini, Kerajaan Persekutuan melalui Kementerian Desa dan Wilayah sekarang (KKDW) telah melaksanakan beberapa projek bekalan air di luar bandar Sarawak.

Kesemua urusan pelantikan perunding, Makmal Pengurusan Nilai (*Value Management Lab*), pelawaan tender, penilaian tender dan penganugerahan kontrak adalah diuruskan oleh pihak Persekutuan melalui KKDW. Walau bagaimanapun, banyak projek lewat dilaksanakan kerana karenah birokrasi dan prosedur yang panjang. Sebagai contoh, sebanyak 13 projek yang telah diluluskan sejak tahun 2016 lagi, tetapi masih dalam peringkat pra kontrak dan belum dimulakan. Ingin saya tekankan di sini, proses seperti yang dinyatakan tadi dikendalikan sepenuhnya oleh Kementerian Kemajuan Desa dan Wilayah (KKDW) pada masa sekarang.

Kelewatan ini juga telah menyebabkan projek yang dirancang tidak dapat dilaksanakan mengikut jadual seperti yang digariskan dalam Pelan Induk Bekalan Air dan Grid Air Sarawak. Ini seterusnya juga telah memberi kesan kepada rakyat Sarawak yang lama menunggu bekalan air terawat di kawasan masing-masing. Justeru, saya menyeru Kerajaan Persekutuan untuk memberi

perhatian serius terhadap perkara ini dan menyegerakan pelaksanaan projek-projek ini agar rakyat dapat menikmati bekalan air seperti yang dirancang.

ISU-ISU SPESIFIK

Tuan Speaker, sekarang saya akan memberi maklum balas terhadap isu-isu yang diketengahkan oleh Ahli-ahli Yang Berhormat.

Isu-Isu Spesifik Mengenai Bekalan Air

Saya akan menyentuh berkenaan isu-isu spesifik bekalan air yang telah dibangkitkan oleh Ahli-ahli Yang Berhormat. Untuk makluman Ahli Yang Berhormat bagi Padungan, bagi menangani isu air keruh di Desa Wira, Kenyalang Park dan Bintawa, Lembaga Air Kuching (LAK) telah pun melaksanakan kerja-kerja *flushing* dan aduan telah pun berkurangan. Lembaga Air Kuching akan terus mempergiatkan kerja-kerja *flushing* di kawasan seliaan Lembaga Air Kuching secara berjadual. So, when there is no problem and if the problems are solved, I think we should appreciate and be grateful and say thank you to our Water Agencies. So that, we make them more motivated in the near future so, *janganlah kita hanya apabila masalah timbul, kita maklumkan kepada mereka, segera untuk dilaksanakan* but then when the problem is solved, it is good to say thank you very much to our Water Agencies.

Manakala bagi menangani gangguan bekalan air yang berlaku di Semaba pula, pihak Lembaga Air Kuching telah menyiapkan penggantian saluran paip air lama di empat lorong iaitu di Lorong 2, 3, 5 dan 8. Lembaga Air Kuching akan meneruskan pelaksanaan ketujuh-tujuh lorong yang lain secara berperingkat-peringkat. Di samping itu, saluran paip air lama pelbagai saiz akan dinaik taraf dan diganti secara berfasa di kawasan liputan Lembaga Air Kuching (LAK).

Untuk makluman Ahli Yang Berhormat bagi Opar dan Tanjong Datu, cadangan Projek Pembekalan Air baharu kawasan Lundu/ Sematan yang merangkumi pembinaan Loji Rawatan Air (LRA) baharu Lundu berkapasiti 20 juta liter sehari (JLH), saluran paip air, tangki air simpanan dan pam air penggalak telah diluluskan baru-baru ini oleh Kerajaan Sarawak di bawah Kajian Separuh Penggal Rancangan Malaysia Kedua Belas (KSP RMK-12). Projek ini dalam peringkat reka bentuk awalan. Sumber air mentah dan pembinaan muka sauk adalah daripada Sungai Jangkar, Lundu.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Ba'Kelalan, bagi menangani masalah bekalan air di Pekan Lawas, Kementerian ini melalui Jabatan Bekalan Air Luar Bandar (JBALB) telah dan sedang melaksanakan projek bekalan air secara berperingkat.

Projek-projek yang telah siap dilaksanakan bagi meningkatkan kapasiti air adalah seperti berikut:

- (a) Menaik taraf Loji Rawatan Air Trusan daripada 20 juta liter sehari (JLH) kepada 40 juta liter sehari (JLH);
- (b) Menaik taraf Loji Rawatan Air Merapok daripada 0.45 juta liter sehari (JLH) kepada 2 juta liter sehari (JLH); dan
- (c) Penambahbaikan Loji Rawatan Air Gelugus berkapasiti 5 juta liter air sehari (JLH).

Terdapat lima lagi projek masih dalam pembinaan iaitu:

- (a) Saluran paip dari tangki air aras tinggi (HLT) Merapok ke simpang SMK Merapok, Rumah Ajan dan Stesen Penternakan Meragang, jalan utama Lawas-Merapok-Sindumin ke 10 buah kampung di Ulu Merapok dan ke SK Ulu Merapok, Lawas;
- (b) Saluran paip ke Long Suang, Murud Suang, Logan Kelilang, SK Long Kachu dan Seberang Kedai Trusan;
- (c) Penggantian tangki air aras tinggi 1.5 juta liter (JL) di Sundar, pembinaan tangki air aras tinggi 0.5 juta liter (L) di Awat-Awat, naik taraf saluran paip ke Kampung Bangkiai dan penggantian

saluran paip di Kampung Perpindahan, Sundar dan dari tangki air aras tinggi Sundar sehingga Kampung Berjumpa. Sedap nama kampung, Kampung Berjumpa. There could be somebody using it as a meeting place. I do not know;

- (d) Penggantian saluran paip di Kampung Seberang Awat-Awat, Sundar; dan
- (e) Penyambungan saluran paip dari Kampung Beriwan Tengah ke Long Tengoa dan Long Ibau Ulu Trusan dan pembinaan stesen pam penggalak dan tangki air aras tinggi di Long Sebulu, Bukit Batu, Lawas, Limbang.

Kesemua projek yang saya sebutkan tadi dijangka siap pada suku kedua tahun 2024 iaitu tahun depan.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Daro, Kawasan Tadahan Air Daro dan Matu dengan masing-masing berkeluasan 4,487 hektar dan 17,757 hektar telah pun diwartakan pada tahun 2003 sebagai kawasan tadahan air.

Untuk makluman Ahli Yang Berhormat bagi Dudong, pihak Kementerian melalui agensi berkaitan telah mengambil maklum akan masalah bekalan air yang rendah di kawasan Jalan Kelupu-Julau-Durin (KJD). Untuk tujuan ini, Project Central Region 1 - Work Order 8 dan Work Order 6 merangkumi skop penyambungan paip pelbagai saiz, pembinaan stesen pam penggalak dan pembinaan tangki air aras tinggi dengan kos berjumlah RM35 juta yang sedang giat dilaksanakan sekarang. Projek ini dijangka beroperasi sepenuhnya pada suku ketiga tahun 2024. So, I hope when we do the site visit in the near future, Member for Dudong will follow us to the site. Please do not just send your representative because I have been to the site quite a number of times and who normally been sent are the representatives. So, I do not know whether the representatives make a report to the Member after visiting the place.

Selain itu, dengan siapnya penyambungan paip Stage 3 oleh pihak kontraktor Pan Borneo Highway dari simpang Bulat sehingga simpang Bintangor KJD yang dijangka siap pada penghujung tahun 2023. Apabila projek-projek ini siap nanti, sistem bekalan air di kawasan Jalan KJD dan sekitarnya, terutamanya Assan Nunggang akan bertambah baik.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Dudong, pelaksanaan projek bekalan air di Sarawak adalah berdasarkan Pelan Induk Bekalan Air Sarawak dan Grid Air. Sehubungan itu, projek-projek yang dirancang akan dilaksanakan secara berperingkat berdasarkan kelulusan peruntukan kewangan.

Bagi menyelesaikan isu bekalan air yang dibangkitkan, Kementerian saya melalui Lembaga Air Sibu dan Jabatan Bekalan Air Luar Bandar (JBALB) telah dan sedang merancang beberapa projek seperti berikut:

- (a) Pembinaan paip berdiameter 1,000 mm sepanjang 1.92 km dari Loji Rawatan Air (LRA) Salim ke Persimpangan Farley telah pun disiapkan dan menyelesaikan masalah bekalan air di Eco Garden dan tekanan air di Sibu Jaya kecuali tingkat 3 dan 4 Flat Sibu Jaya;
- (b) Pemasangan paip yang berdiameter 600 mm di sepanjang Jalan Tunku Abdul Rahman melalui Sibu Jaya sehingga *Durin Booster Station*. Projek ini dijangka siap pada suku kedua tahun 2024 dan akan membolehkan bekalan air yang mencukupi dan berterusan di kawasan keseluruhan Sibu Jaya kecuali tingkat 3 dan 4 Flat Sibu Jaya; dan
- (c) Bagi mengatasi masalah tekanan air di tingkat 3 dan 4 di Flat Sibu Jaya, projek penggantian saluran paip High Density Polyethylene (HDPE) di Flat Sibu Jaya dan pemasangan saluran paip Ductile Iron (D.I.) dari persimpangan Sibu Jaya ke stesen pam penggalak akan dilaksanakan pada suku pertama tahun 2024 dan dijangka siap pada penghujung tahun 2024.

In fact, kita telah menyelesaikan masalah bekalan air juga di sebahagian daripada keperluan air di flat Sibu Jaya. Jadi, berdasarkan apa yang kita dapati sekarang, kalau dulu masalah air nya kritikal tapi sekarang air boleh diperolehi di tingkat bawah dan tingkat 1, cuma tingkat bawah, tingkat 1 dan tingkat 2. Tingkat 3 dan 4 masalahnya berlaku apabila *peak time*. *Peak time* itu tidak ada

bekalan air, cuma sikit-sikit saja keluar. And, I have to understand this because Sibu Jaya itself, I think is very congested. Saya telah melawat tapak tersebut juga bersama-sama dengan pegawai-pegawai, bersama-sama dengan Timbalan-Timbalan Menteri di Kementerian saya dan pegawai-pegawai dari agensi air kami dan kami dapat menyaksikan, the *place very congested*. Dan kita dapat juga menyaksikan, *I think there are illegal extension and this also, I was made to understand that* yang tinggal di flat Sibu Jaya pun terlalu ramai. Mungkin melebihi daripada bilangan penduduk yang dibenarkan. Jadi, ini menyebabkan permintaan terhadap bekalan air begitu tinggi sekali. Jadi, it is beyond water problem, there could be some other problems that need to be solved. So, I hope Member for Dudong will look into this in the near future. So, that it is easy for us to settle the problem. Not only water problem, ya.

Bagi mengatasi masalah tekanan air di tingkat 3 dan 4 di Flat Sibu Jaya, projek penggantian saluran paip High Density Polyethylene (HDPE) di Flat Sibu Jaya dan pemasangan saluran paip Ductile Iron (D.I.) dari persimpangan Sibu Jaya ke stesen pam penggalak akan dilaksanakan pada suku pertama tahun 2024 dan dijangka siap pada penghujung tahun 2024. Jadi, *I repeat* ini.

Manakala bagi pelan jangka masa panjang, projek “*Naik Taraf Loji Air*”, manakala bagi pelan jangka masa panjang, projek Naik Taraf Loji Salim Fasa 3 daripada 150 Juta Liter air sehari (JLH) kepada 300 Juta Liter sehari (JLH) akan dilaksanakan dengan peruntukan sebanyak RM300 Juta yang akan dibiayai oleh Kerajaan Sarawak. Projek ini akan dilaksanakan pada suku kedua pada tahun 2024 dan dijangka siap pada penghujung tahun 2026. Antara manfaat projek ini adalah seperti berikut:

- (a) Sebagai loji induk (*Anchor Plant*) di Wilayah Tengah Sarawak (*Central Region*) di bawah Pelan Induk Bekalan Air Sarawak dan Grid Air;
- (b) Memastikan rizab margin (*reserve margin*) air yang mencukupi pada kadar minimum 20% daripada kapasiti loji air; dan
- (c) Memastikan bekalan air di Wilayah Tengah termasuk Dudong adalah mencukupi dan berterusan sehingga tahun 2035.

So, this is a big step that we have taken, and Sarawak Government has been kind enough about the needs by approving RM300 million to implement the upgrading of Salim Treatment Plant, Water Treatment Plant from 150 (MLD) to 300 (MLD), and hope will commence sometime next year as I mentioned just now.

Tuan Speaker, selain daripada projek yang dinyatakan di atas, sebanyak enam lagi projek yang telah diluluskan oleh Kerajaan Sarawak di bawah Rancangan Malaysia Kedua Belas (RMK-12) dan akan dimulakan secara berperingkat-peringkat, bermula tahun 2024 dan dijangka siap menjelang tahun 2028. Projek-projek tersebut adalah seperti berikut:

- (a) Pemasangan saluran paip dari Ulu Oya Lama ke Sibu West dan pembinaan tangki air;
- (b) Pembinaan saluran paip utama dari Stesen Pam Penggalak Teku ke Jalan Teku Pasai dan Tangki Air Rantau Panjang;
- (c) Pemasangan saluran paip agihan sepanjang Jalan Tun Ahmad Zaidi Aduce;
- (d) Pemasangan saluran paip utama dari Jalan Tunku Abdul Rahman ke Jalan Kemuyang dan pembinaan Tangki Air Kemuyang;
- (e) Penyambungan saluran paip Jalan Tunku Abdul Rahman; dan
- (f) Pembinaan Tangki Air Ulu Sungai Merah.

Enam projek yang saya sebutkan tadi adalah bertujuan untuk meningkatkan sistem bekalan air di kawasan Sungai Maaw, Bawang Assan, Teku, Teku Pasai, Jalan Tun Ahmad Zaidi Aduce, Jalan Kemuyang dan Jalan Ulu Sungai Merah.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Meluan, projek Proposed Julau Water Supply System, Sarikei Division telah diluluskan di bawah Kajian Separuh Penggal RMK-12 yang akan dibiayai oleh Kerajaan Sarawak. Projek ini melibatkan kerja menaik taraf Loji Rawatan

Air Julau sedia ada daripada 1.3 Juta Liter sehari (JLH) kepada 4.0 Juta Liter sehari (JLH), pembinaan tangki air aras tinggi, stesen pam penggalak dan kerja-kerja penyambungan paip di Pekan Julau dan kawasan sekitarnya. Projek ini dijangka akan ditender pada penghujung tahun ini.

Sistem bekalan air bagi kawasan Jalan KJD akan bertambah baik dengan siapnya *Project Central Region 1 - Work Order 8* dan *Work Order 6* yang masing-masing dijangka beroperasi pada suku ketiga tahun 2024.

Manakala bagi pembinaan tangki air aras tinggi di Bukit Agok telah dimasukkan ke dalam Skop projek Bekalan Air Luar Bandar Julau Fasa II di bawah pelaksanaan Kementerian Kemajuan Desa dan Wilayah (KKDW) yang kini dalam proses reka bentuk.

Untuk makluman, kawasan-kawasan yang dibangkitkan oleh Ahli Yang Berhormat bagi Kalaka, masih tidak mempunyai saluran paip. Untuk makluman, saya ulang untuk makluman kawasan-kawasan yang dibangkitkan oleh Ahli Yang Berhormat bagi Kalaka, masih tidak mempunyai saluran paip air terawat.

Projek bekalan air terawat untuk Kampung Kaba, Kampung Hilir Perpat, Kampung Tengah Perpat dan Kampung Paloh sedang dilaksanakan di bawah projek *Package 1 - Water Supply Works in Kabong District* dengan kos projek sebanyak RM107.5 juta dibiayai oleh Kerajaan Sarawak, RM107.5 million borne by Sarawak Government. Projek ini dijangka siap sepenuhnya pada suku kedua tahun 2024.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Balingian, cadangan sistem grid bekalan air yang akan menghubungkan jalinkan sumber bekalan air dari Loji Rawatan Air Utama Mukah ke Kawasan Balingian - Kuala Balingian termasuk kawasan Setuan Kecil telah diluluskan di bawah Kajian Separuh Penggal Rancangan Malaysia Kedua Belas (KSP RMK-12). Projek ini adalah bagi memastikan bekalan air yang lebih stabil di kawasan yang dibangkitkan.

Untuk makluman Ahli Yang Berhormat bagi Lingga, Projek Menaik Taraf Loji Rawatan Air Bayai daripada 33 Juta Liter sehari (JLH) kepada 53 Juta Liter sehari (JLH) dengan kos sebanyak RM21.5 juta yang dibiayai sepenuhnya oleh Kerajaan Sarawak telah siap pada tahun 2021.

Pada awal pengoperasian Hospital Sri Aman 2, berlaku masalah tekanan air dan sistem retikulasi dalaman di hospital tersebut. Walau bagaimanapun, masalah ini telah diatasi oleh pihak JKR Malaysia.

Untuk perancangan jangka masa panjang pula, dua projek bekalan air iaitu *Proposed Engkilili Regional/ Water Treatment Plant, Sri Aman Division* dan *Proposed Sri Aman Regional/ Water Supply System, Sri Aman Division* telah diluluskan baru-baru ini oleh Kerajaan Sarawak di bawah Kajian Separuh Penggal Rancangan Malaysia Kedua Belas untuk pelaksanaan. Reka bentuk awalan projek tersebut akan dilaksanakan dalam masa terdekat. Projek tersebut akan menghubungkan kawasan-kawasan di Bahagian Sri Aman dengan sistem grid bekalan air bagi menjamin bekalan air terawat yang mencukupi secara berterusan kepada para pengguna di Kawasan Sri Aman termasuk Lingga.

Untuk makluman Ahli Yang Berhormat bagi Machan, isu tekanan air rendah di Kawasan Pekan Kanowit dan Machan akan bertambah baik setelah siapnya projek *Proposed Water Supply Kanowit Phase 2 (Stage 2) Sibu Division - Proposed Pipeline from Salim Water Treatment Plant, Sibu Water Board to Kanowit, Sibu Division* dengan kos berjumlah RM63.5 juta yang dibiayai sepenuhnya oleh Kerajaan Sarawak. Projek ini dijangka siap pada suku ketiga tahun 2024. Manakala bagi kawasan Batu Luking, Mam dan Majau akan dibekalkan dengan bekalan air melalui projek *Proposed Kanowit Regional Water Supply, Sibu Division* yang diluluskan baru-baru ini oleh Kerajaan Sarawak di bawah Kajian Separuh Penggal Rancangan Malaysia Kedua Belas. Dengan siapnya projek ini, ianya dijangka akan menyelesaikan masalah bekalan air di kawasan Machan.

Untuk makluman Ahli Yang Berhormat bagi Tellian, tender untuk projek bekalan air terawat ke kawasan Bukit Engkerbai dan Lubok Bemban dijangka akan dipelawa pada suku pertama tahun 2024. Manakala, projek bekalan air terawat dari Selangau ke kawasan Ulu Baoh kini dalam peringkat reka bentuk. Kedua-dua projek ini merupakan projek Persekutuan di bawah seliaan KKDW. Projek bekalan air terawat di kawasan Ulu Sebakong - Nanga Sikat telah dikemukakan kepada KKDW di bawah Rolling Plan 4 tahun 2024 untuk pertimbangan. Mengenai isu kelewatan penyambungan meter air ke rumah kediaman di seberang jalan, grid air yang dibangkitkan telah pun diselesaikan Pihak JBALB akan membuat penyambungan meter air dalam masa terdekat. Manakala, kerja-kerja pengoperasian dan penyelenggaraan SAWAS di Nanga Baoh, Dalat akan dilaksanakan secara kontrak dan tender akan dipelawa pada penghujung tahun ini dan dijangka akan beroperasi pada suku pertama tahun 2024.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Tamin, Projek Menaik Taraf Loji Rawatan Air di Stapang, Sekauu telah diluluskan oleh Kerajaan Persekutuan pada tahun 2017. Projek ini adalah di bawah seliaan KKDW. Proses pelantikan perunding, pelawaan tender, penilaian tender dan penganugerahan kontrak dikendalikan sepenuhnya oleh KKDW. So, I hope it will be implemented very soon and I understand fully, the feeling of Ahli yang Berhormat bagi Tamin but unfortunately, this is beyond our control because it is under the jurisdiction of Federal Government which is now under KKDW.

Manakala, kerja-kerja menaik taraf Loji Rawatan Air Selangau dan bekalan air ke kawasan Selangau telah dimasukkan ke dalam skop Projek Bekalan Air Luar Bandar (BALB) Kawasan Sungai Arip, Bahagian Sibu, Ulu Baoh & Sebakong, Bahagian Mukah, Sarawak yang kini dalam peringkat reka bentuk. Untuk makluman Ahli Yang Berhormat bagi Ngemah bekalan air bagi kawasan-kawasan yang dibangkitkan akan dilaksanakan melalui projek *Proposed Kanowit Regional Water Supply, Sibu Division* yang diluluskan baru-baru ini di bawah kajian separuh penggal Rancangan Malaysia Kedua Belas yang dibiayai sepenuhnya oleh Kerajaan Sarawak.

Untuk makluman Ahli Yang Berhormat bagi Engkilili, projek bekalan air ke sebahagian kawasan Ulu Skrang telah diluluskan pada tahun 2016 oleh Kerajaan Persekutuan di bawah seliaan KKDW dan kini baru sahaja dalam peringkat penilaian tender. Seperti yang dimaklumkan tadi, proses pelantikan perunding, pelawaan tender, penilaian tender dan penganugerahan kontrak adalah dikendalikan sepenuhnya oleh pihak KKDW. Namun Kerajaan Sarawak melalui Kementerian saya amat prihatin mengenai masalah bekalan air di kawasan luar bandar Sarawak termasuk kawasan Engkilili seperti yang dibangkitkan oleh Ahli Yang Berhormat dalam Dewan yang mulia ini.

Ini telah dibuktikan apabila Kerajaan Sarawak meluluskan sebanyak tiga lagi projek tambahan bagi mengatasi masalah bekalan air di kawasan Engkilili. Projek-projek tersebut ialah:

- (a) *Proposed Engkilili Regional Water Treatment Plant, Sri Aman Division* yang berkapasiti 75 Juta Liter sehari;
- (b) *Proposed Sri Aman Regional Water Supply System, Sri Aman Division* saluran paip sepanjang 295 km termasuk tangki simpanan air, stesen pam penggalak dan kerja-kerja yang berkaitan; dan
- (c) *Projek Sarawak Alternative Water Supply (SAWAS)*, program fasa ke 3, saya ulangkan *Projek Sarawak Alternative Water Supply (SAWAS) phase 3* bagi kawasan yang tidak dapat dihubungkan dengan grid bekalan air. Manakala, bekalan air ke Memaloi pula dijangka pulih sepenuhnya selepas kerja pengalihan utiliti (*utility relocation*) dan kerja pemasangan paip baharu siap sepenuhnya oleh pihak kontraktor *Pan Borneo Highway* di bawah seliaan JKR Sarawak.

Untuk makluman Ahli Yang Berhormat bagi Bukit Begunan, semasa musim kemarau, selain menghantar lori tangki air untuk membekalkan air kepada pengguna yang terjejas, Jabatan Bekalan Air Luar Bandar (JBALB) juga secara konsisten telah menyediakan pusat pengumpulan air di lokasi strategik seperti di Pekan Lachau, Pekan Sungai Tenggang dan kampung sekitarnya. Projek Bekalan Air Luar Bandar, Kawasan Pantu Fasa III, Bahagian Sri Aman telah diluluskan oleh Kerajaan

Persekutuan pada tahun 2018 adalah di bawah seliaan KKDW dan difahamkan baru sahaja dalam peringkat reka bentuk. Proses pelantikan perunding, pelawaan tender, penilaian tender dan penganugerahan kontrak adalah dikendalikan sepenuhnya oleh KKDW seperti yang saya katakan tadi.

Bagi perancangan jangka masa panjang, dua projek bekalan air iaitu *Proposed Engkilili Regional Water Treatment Plant, Sri Aman Division* dan *Proposed Sri Aman Regional Water Supply System, Sri Aman Division* bertujuan untuk menghubungkan sistem grid bekalan air di Sri Aman, Engkilili dan Pantu. Projek-projek ini telah diluluskan oleh Kerajaan Sarawak di bawah kajian separuh penggal Rancangan Malaysia Ke-12. Manakala cadangan penyambungan bekalan air terawat ke Kawasan Panggil, Engkeramut, Selepong sehingga ke Kampung Gua adalah diambil maklum untuk tindakan selanjutnya.

Untuk makluman Ahli Yang Berhormat bagi Batu Danau, projek bekalan air terawat ke kawasan-kawasan yang dibangkitkan adalah di bawah seliaan dan akan dilaksanakan oleh RECODA.

Fasa pertama *Proposed New Extension of Water Supply Pipeline sand Associated Works from Bawang Ubor- Pangkalan Jawa Junction to Rumah Jubang Junction, Limbang District, Limbang Division* dilaksanakan dengan melibatkan kawasan Simpang Pangkalan Madang ke Kampung Ukong/ SK Ukong. Projek ini telah bermula pada 25 September 2023 dan dijadualkan siap pada 24 Mac 2025.

Bagi fasa kedua pula, pihak RECODA akan mengemukakan permohonan peruntukan bagi pelaksanaan bekalan air terawat ke kawasan Simpang Ukong/ Tanah Merah untuk pertimbangan.

Bagi bekalan air ke kawasan Nanga Medamit/ Pulau Brunei dan Simpang Semena/ Kuala Mendalam pula telah dimasukkan ke dalam skop projek pembinaan jalan raya iaitu *The Proposed Construction of New Road and Water Supply from Nanga Medamit to Rumah Aling, Limbang District* oleh pihak RECODA dan tender akan dipelawa pada suku pertama tahun 2024.

Untuk makluman Ahli Yang Berhormat bagi Kabong, projek bekalan air ke kawasan Ulu Roban sudah diluluskan pada tahun 2021 di bawah peruntukan Kerajaan Persekutuan di bawah seliaan Kementerian Kemajuan Desa dan Wilayah (KKDW) dan difahamkan baru sahaja dalam peringkat reka bentuk. Proses pelantikan perunding, pelawaan tender, penilaian tender dan penganugerahan kontrak adalah dikendalikan sepenuhnya oleh KKDW.

Untuk makluman Ahli Yang Berhormat bagi Beting Maro, projek bekalan air terawat untuk Kampung Batang Maro sedang dilaksanakan di bawah projek *Water Supply Works in Kabong District*. Projek ini yang dibiayai oleh Kerajaan Sarawak menelan belanja RM107.5 juta dan dijangka siap pada suku kedua tahun 2024. Projek ini merangkumi menaik taraf Loji Rawatan Air Lichok daripada 12 Juta Liter Sehari (JLH) ke 15 Juta Liter Sehari (JLH), pembinaan empat buah tangki simpanan air, pemasangan saluran paip pelbagai saiz sepanjang 100 km sehingga Kampung Batang Maro. Maknanya, *there is a water project leading to Batang Maro and hopefully, once completed the project will provide water supply to Batang Maro*.

Sementara itu, naik taraf bagi Loji Rawatan Air Beladin baru sahaja diluluskan oleh Kerajaan Sarawak di bawah Kajian Separuh Penggal Rancangan Malaysia Kedua Belas melalui projek *Proposed Upgrading Works at Pusa, Beladin and Maludam Water Treatment Plant, Betong Division*.

ISU-ISU SPESIFIK (BEKALAN ELEKTRIK)

Tuan Speaker, seterusnya saya akan menyentuh berkenaan isu-isu spesifik bekalan elektrik yang telah dibangkitkan oleh Ahli-ahli Yang Berhormat.

For the information of Ahli Yang Berhormat for Padungan, when Sarawak commences power export to Singapore and with the additional generation capacity built in 2032, our generation capacity shall be 9,529 Megawatt (MW), sufficient to meet both the domestic and export demand. The firm power export of 1,000 Megawatt (MW) represents only 10% of the total generation capacity.

Power export to Singapore is from the Sarawak Grid System instead of a specific generation source or specific hydro power plant. Power export to countries such as Singapore and other neighbouring countries will expand and diversify our customer base in Sarawak. This will also be a further catalyst for economic growth in the State, especially in the new generation plants such as hydro and solar. It will also contribute towards upgrading electricity transmission and distribution infrastructure, statewide. Indirectly this will also support local companies by maintaining power supply stability and affordability of electricity tariffs in Sarawak.

Power export to premium markets such as Singapore would, definitely bring better revenue which ultimately will contribute to Sarawak's economic growth. This will assist the growth of our revenue in the near future.

Tuan Speaker, for the information of Ahli Yang Berhormat for Padungan, Sarawak has already launched Renewable Energy Certificate (REC) four years ago during the Inaugural Sustainability & Renewable Energy Forum (SAREF) in 2019. This launching was witnessed by Yang Amat Berhormat Premier (then addressed as Chief Minister) and United Nations Goodwill Ambassador, Tan Sri Michelle Yeoh, among others. With this, any corporate entity including local companies can actively participate in procuring RECS to prove that their energy source comes from Sarawak's Renewable Energy supply.

Therefore, the suggestion by Ahli Yang Berhormat for Padungan is not something new. In other words, Sarawak Government under GPS is far ahead of Ahli Yang Berhormat for Padungan. Ahli Yang Berhormat for Padungan should have read more local news otherwise in this case you are four years behind. Kena bacalah, kena baca juga berita-berita tempatan, jangan *very selective*. Jangan baca saja berita untuk kepentingan pihak-pihak yang tidak ada kaitan dengan Sarawak. But again, I don't see the Honourable Member for Padungan in this august House today. So, I hope and how I wish he listens to my winding up so that he will be updated.

Local companies who are truly committed to Environmental, Social and Governance (ESG) can procure these RECS on a voluntary basis (*"willing buyer willing seller basis"*) to be integrated into their sustainability reporting and Corporate Social Responsibility (CSR) efforts, demonstrating their commitment in being environmentally responsible.

There are ample RECS available to meet local demand, emphasizing the priority of supporting local corporations dedicated to achieving ESG goals. With the upcoming Baleh HEP development and solar development initiatives, Sarawak aims not only to increase the supply of RECS but also diversify the offering of our RECS.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Tanjong Datu, bekalan elektrik ke kawasan Lundu dihubungkan melalui talian atas sepanjang 50 kilometer daripada pencawang Bau. Sehingga bulan Oktober tahun 2023, didapati 90% gangguan bekalan ini disebabkan oleh keadaan cuaca buruk manakala selebihnya disebabkan oleh kerosakan talian sementara (*transient*) dan talian atas (*overhead line*). Bagi menambah baik prestasi bekalan elektrik di Lundu, Sarawak Energy telah dan akan mengambil tindakan seperti berikut:

- (a) menyelenggara dan memotong dahan atau ranting pokok berhampiran dengan talian atas secara berkala dengan lebih giat lagi;
- (b) memasang peralatan dan peranti pintar yang menggunakan teknologi digital seperti *Auto Recloser* (AR), *Load Break Switch* (LBS) dan *Line Fault Indicator* (LFI) bagi mengurangkan masa tindak balas apabila berlaku gangguan bekalan elektrik; dan

- (c) melaksanakan projek penyambungan kabel bawah tanah sepanjang 20 kilometer dari pencawang utama Tondong ke Stenggang pada suku kedua tahun 2024. Tujuan projek ini adalah untuk menggantikan sebahagian talian atas yang sedia ada bagi menangani gangguan elektrik di kawasan Lundu.

Untuk makluman ahli Dewan yang mulia ini, cadangan daripada Ahli Yang Berhormat bagi Kota Sentosa telah diambil kira dalam pindaan kepada *Electricity Ordinance (Chapter 50)* yang telah pun saya bantangkan di Dewan yang mulia ini pada hari Selasa yang lepas.

Dengan lulusnya pindaan ini, pembangunan sektor tenaga boleh diperbaharui (*renewable energy*) di Sarawak akan dapat digiatkan dengan penyertaan dalam skim *Net Energy Metering (NEM)*. Peranan Sarawak Energy selaku "*single buyer*" juga diwujudkan sebagai entiti tunggal bagi memudahcara pembangunan sektor tenaga boleh diperbaharui di Sarawak. Ini sejajar dengan hasrat kita membangunkan tenaga solar sebagai salah satu sumber tenaga alternatif.

Untuk makluman Ahli Yang Berhormat bagi Meluan, pendawaian dalaman adalah di bawah tanggungjawab pemilik rumah. Justeru, pemilik rumah adalah disyorkan untuk melakukan pemeriksaan pendawaian dalaman masing-masing dengan menggunakan perkhidmatan kontraktor yang bertauliah. I think this, Honourable Member for Meluan can get an assistance from SESCO or Sarawak Energy if they want to know who are the qualified and registered Contractor.

Di samping itu, pemilik rumah atau premis diingatkan supaya memastikan peralatan yang digunakan mempunyai label keselamatan SIRIM bagi mengelakkan risiko kemalangan elektrik yang boleh menyebabkan kebakaran. Kementerian kami juga mengadakan aktiviti-aktiviti di rumah panjang dan kampung-kampung bersama agensi seperti Sarawak Energy serta Jabatan Bomba dan Penyelamat Malaysia berkaitan kesedaran tentang keselamatan elektrik.

Untuk makluman Ahli Yang Berhormat bagi Kalaka, Kampung Kabang, Kampung Hilir Tengah dan Hulu Perpat, Rumah Galing, Rumah Mujang, Rumah John Yong, dan Rumah Tanjung telah bergelap tiga hari berturut-turut disebabkan kerosakan pada *submarine cable* oleh pihak kontraktor yang melaksanakan projek jambatan Sungai Krian. That is beyond our control, so the cable, submarine cable was damaged by the contractor who is currently doing the Sungai Krian Bridge which is one of the bridges along the costal road. Pihak Sarawak Energy mengambil masa tiga hari untuk mengesan dan membaik pulih kerosakan tersebut disebabkan kerja-kerja pembaikan yang rumit dan faktor-faktor keselamatan. Bekalan elektrik ke kawasan ini adalah melalui *spurline* serta sambungan *submarine cable*.

Di samping, pemilik rumah atau premis diingatkan supaya memastikan peralatan yang digunakan mempunyai label keselamatan SIRIM bagi mengelakkan risiko kemalangan elektrik yang boleh menyebabkan kebakaran. Kementerian kami juga mengadakan aktiviti-aktiviti di rumah Panjang dan kampung-kampung bersama agensi seperti Sarawak Energy serta Jabatan Bomba dan Penyelamat Malaysia berkaitan kesedaran tentang keselamatan elektrik.

Di samping itu, Sarawak Energy masih meneruskan kempen kesedaran "*Call Before You Dig*" untuk menangani masalah kerosakan kepada kabel elektrik oleh pihak ketiga. So normally, we would like to request the third party who are doing their work in the respective areas, please do call our Sarawak Energy Berhad (SESCo) if you want to do any digging or excavation in the area, so that we can notify where actually our cable, and this will minimize the damage to our cable and in turn will cause a power outage in the nearby area. So, we are appealing to the third party involved and the contractor involved, please do care to call our Sarawak Energy Berhad and SESCO so it will not trigger in the near future.

Untuk makluman Dewan yang mulia ini, *Betong Division Development Agency (BDDA)* dengan kerjasama Sarawak Energy akan melaksanakan projek pembinaan talian pengagihan tambahan dari Kampung Kaba ke Simpang Nyabor bagi mengurangkan kejadian terputus bekalan elektrik di kawasan Kalaka. Kementerian kami menyokong penuh saranan Yang Berhormat Kalaka dan

menyeru semua pihak mengambil peluang untuk menyertai *Net Energy Metering* (NEM). Yes. Thank you very much for your support and I hope members in this august House will participate in *Net Energy Metering*. Thereby contributing to the generation of solar energy to our main grid.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Lingga, risiko gangguan bekalan di kawasan Lingga dan Sri Aman adalah disebabkan talian atas yang panjang dalam lingkungan 40 km. Untuk menambah baik sistem bekalan elektrik ke Pekan Sri Aman, Sarawak Energy sedang melaksanakan pembinaan *tower line* sepanjang 48 km dari pencawang utama Serudit ke Simpang Sri Aman. Projek yang menelan belanja sebanyak RM57 Juta sudah mencapai tahap lebih 80% so *now it is at the stage of 80% completed*. Manakala, bagi pemasangan kabel bawah tanah sepanjang 10 kilometer dari Simpang Sri Aman terus ke Pekan Sri Aman dijangka akan dianugerah pada akhir bulan depan. Kedua-dua projek ini dijangka siap pada suku keempat tahun 2024.

Untuk makluman Ahli Yang Berhormat bagi Batu Danau, perkampungan Penan seperti yang dimaklumkan telah disenaraikan untuk menerima inisiatif penggantian komponen utama yang akan dilaksanakan secara berperingkat. Antara kerja-kerja yang akan dilaksanakan adalah penyelenggaraan sistem sedia ada dan penggantian bateri.

Untuk makluman Ahli Yang Berhormat bagi Kabong, projek penyambungan talian sepanjang 5.6 kilometer daripada Selang melalu Jalan Nyabor ke Kabong bernilai RM1.3 juta sedang dalam pelaksanaan. Projek ini dijangka siap pada Disember 2023. Apabila projek ini siap kelak, Kabong akan mendapat punca bekalan tambahan.

Selain daripada itu, tiga unit *Load Break Switch* (LBS) dan lapan unit *Line Fault Indicator* (LFI) telah dipasang. Tujuh unit *Line Fault Indicator* lagi akan dipasang pada suku pertama tahun 2024 iaitu tahun depan. Dengan pemasangan peranti pintar ini, pasukan operasi akan dapat mengesan kerosakan di talian atas (*overhead line*) dengan lebih pantas dan mempercepatkan pemulihan gangguan bekalan. Langkah jangka masa panjang untuk Kawasan Kabong pula adalah perancangan pembinaan tiang *monopole* untuk talian 33 kV sepanjang 45 kilometer dari pencawang utama Serudit ke Pekan Saratok.

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Kalaka, Dudong, Ba'Kelalan, Tellian, Tamin, Kabong, Ngemah dan Batu Danau, projek ALAF di seluruh Sarawak kini dalam pelbagai peringkat pelaksanaan. Bagi permohonan baharu, pelaksanaan adalah berdasarkan giliran dan ketersediaan maklumat lengkap pemohon setelah peruntukan tambahan diluluskan. So please, I hope Members in this august House will be patience enough to wait because ALAF is being implemented progressively right now. So any new application in the near future you still have to follow the queue. Sebab kalau kita potong *queue* orang lain, orang lain juga akan mengadu lambat mendapat bekalan elektrik jadi kita harap mana-mana permohonan baharu pada masa akan datang menyedari hakikat bahawa kita mengutamakan sesiapa yang menghantar maklumat lengkap dan sedang diproses untuk dilaksanakan dan yang baharu perlu menunggu *queue*, giliran masing-masing.

Isu-Isu Spesifik (Gas)

Tuan Speaker, pewujudan *Gas Aggregator* dan pelantikan Petroleum Sarawak Berhad (PETROS) adalah keputusan tepat Kerajaan Sarawak. Bangkangan Ahli Yang Berhormat bagi Padungan mengenai pewujudan *Gas Aggregator* dan pelantikan (PETROS) sebagai *Gas Aggregator* memang kita sudah jangka. Saya ingin memaklumkan di Dewan yang mulia ini bahawa *Memorandum of Understanding* (MOU) yang ditandatangani antara PETROS dan PETRONAS hanya menyatakan kuantiti gas yang diperlukan untuk *Sarawak Gas Roadmap* hingga tahun 2030. Berdasarkan MOU tersebut, PETRONAS hanya memperuntukkan sumber gas tanpa menentukan harga gas yang dibekalkan. Selain itu, MOU ini *is not legally binding*.

Oleh yang demikian, dengan melantik PETROS sebagai *Gas Aggregator*, ini dapat meningkatkan penggunaan gas di Sarawak sekurang-kurangnya ke tahap 30% menjelang tahun

2030. So, hopefully our target of achieving utilisation of 30% of gas in Sarawak will lead to more downstream industries in the near future and definitely this will give job opportunities and opportunities for any local companies who participate in the near future so this novel aim should be supported by all including Honourable Member for Padungan.

Tanggapan Ahli Yang Berhormat Padungan tentang keburukan penggunaan gas adalah tidak tepat. Kerajaan Sarawak telah mengambil langkah yang bijak dalam usaha mengubah peralihan tenaga (*energy transition*) daripada penggunaan arang batu atau diesel kepada gas kerana sumber tenaga daripada gas secara perbandingannya adalah lebih bersih (*cleaner*) daripada sumber tenaga arang batu dan diesel, seperti yang saya jelaskan secara terperinci dalam penggulungan saya terdahulu sebentar tadi. Kita perlu berpandangan jauh seperti yang dirancang mengikut PCDS 2030. Do not be narrow minded and short sighted. So, I would like to advice Honourable Member for Padungan please do not be narrow minded and short sighted. Look far ahead like what we are doing right now.

Isu-Isu Spesifik (Telekomunikasi)

Izinkan saya memberi pencerahan bagi isu-isu telekomunikasi di Sarawak yang dibangkitkan oleh Ahli-ahli Yang Berhormat.

Untuk makluman Ahli Yang Berhormat bagi Baleh, setiap projek pembinaan menara akan melibatkan sesi libat urus bersama Pejabat Residen dan Daerah, pemilik tanah serta pihak berkepentingan bagi memastikan ketelusan pelaksanaan inisiatif ini serta bagi menentukan lokasi tapak yang bersesuaian dan memenuhi keperluan teknikal menara telekomunikasi.

Untuk makluman Ahli Yang Berhormat bagi Ba'Kelalan, Kalaka, Simunjan, Ngemah, Engkilili, Kabong, Tamin dan Beting Maro, kesemua menara yang sedang dalam pelaksanaan di kawasan DUN masing-masing dijadualkan beroperasi secara berperingkat-peringkat sehingga suku ketiga tahun 2024. Oleh itu, saya berharap Ahli-ahli Yang Berhormat dapat bersabar menunggu perkhidmatan telekomunikasi yang lebih baik apabila menara tersebut beroperasi sepenuhnya kelak. Maknanya, *once* semua menara tersebut ke udara ataupun *on air then you have to wait a short while*.

Sebagai penutup, Tuan Speaker, sebelum saya mengakhiri ucapan saya, saya terlebih dahulu mengucapkan setinggi-tinggi tahniah dan penghargaan kepada Tuan Speaker, Timbalan Speaker, Setiausaha dan semua pegawai Dewan kerana telah mengendalikan persidangan Dewan pada kali ini dengan begitu baik. Terima kasih juga kepada Setiausaha Kerajaan Sarawak, Setiausaha Persekutuan, Peguam Besar Sarawak, Setiausaha Kewangan Sarawak, semua Setiausaha Tetap Kementerian, Ketua-ketua Jabatan, para jurutengkas dan semua pihak yang telah memberi kerjasama untuk menjayakan persidangan Dewan pada kali ini.

Saya juga ingin merakamkan penghargaan dan terima kasih kepada kedua-dua Timbalan Menteri di Kementerian saya, Setiausaha Tetap dan semua pegawai di Kementerian saya serta semua pegawai agensi di bawah seliaan Kementerian Utiliti dan Telekomunikasi atas komitmen yang tinggi semasa persidangan Dewan Undangan Negeri Sarawak pada kali ini. Pada kesempatan ini juga, kepada rakan-rakan yang beragama Kristian, saya ingin mengucapkan selamat menyambut Hari Krismas dan kepada semua selamat menyambut Tahun Baru 2024 yang akan datang. Saya berdoa kepada Allah S.W.T. agar sentiasa melimpahkan rahmat-Nya kepada kita semua serta melindungi Sarawak Ibu Pertiwiku agar kita terus bersatu padu, aman, makmur dan maju jaya. Sebagai penutup Tuan Speaker, saya ingin menyampaikan beberapa rangkap pantun.

*YAB Premier ideanya bernas,
Teknologi hidrogen pilihan tepat,
Kemudahan utiliti terus diperluas,
Telekomunikasi pula terus diperhebat.*

*Terubuk dibeli di Pekan Sebuyau,
Empurau dibawa dari Belaga,
Janganlah YB merasa risau,
Alat air terus diusaha.*

*Telaga air di Pantai Damai,
Angin bertiup terasa sayu,
Marilah kita beramai-ramai,
Menjulang Sarawak terus maju.*

*Pilihanraya Jepak sudah tamat,
Parti GPS diberi mandat,
Sokongan padu sungguh hebat,
Maju makmur pilihan rakyat.*

*Memandu kereta pergi ke Lundu,
Setiap saat langkah berhemat,
Premier memacu kami dipandu,
Demi rakyat kami berkhidmat.*

Sekian, terima kasih Tuan Speaker.

Tuan Speaker: Ahli-ahli Yang Berhormat, we have lunch break. Dewan resumes at 2.30 p.m.

(Mesyuarat ditangguhkan pada pukul 1.03 p.m.)

(Mesyuarat dimulakan pada jam 2.37 petang)

[Timbalan Speaker mempengerusikan Mesyuarat]

Timbalan Speaker: Ahli-ahli Yang Berhormat, ingin saya dengan segala hormatnya menjemput YB Dato Sri John Sikie anak Tayai, Menteri di Jabatan Premier untuk menyampaikan Ucapan Penggulangan. Silakan.

Menteri di Jabatan Premier (YB Dato Sri John Sikie anak Tayai): Selamat petang, Salam Sejahtera, Salam Sarawak Maju Makmur dan Salam Sarawakku Sayang. Tuan Speaker, Yang Berhormat Ahli-ahli Dewan *yang mulia ini*, I would like to thank Tuan Speaker for giving me the opportunity to deliver my winding up speech this afternoon relating to the Majlis Adat Istiadat Sarawak and Mahkamah Bumiputera Sarawak and matters referred to me on Unit Pentadbiran; and Unit Pengurusan Imigresen dan Buruh (ILMU); State Implementation Monitoring Unit (SIMU), Premier's Department of Sarawak.

Majlis Adat Istiadat Sarawak

Now, I start my with matters relating to Majlis Adat Istiadat Sarawak. Tuan Speaker, the Majlis Adat Istiadat Sarawak (MAIS) was established *vide* Majlis Adat Istiadat Ordinance, 1977 primarily as an advisory body to advise the TYT Yang di-Pertua Negeri and the Cabinet on all matters relating to the Adat of the natives of Sarawak. The other functions of the Majlis may be summarised as the preservation, promotion, and dissemination of Adat of the natives.

As long as the natives of Sarawak live in social groups, most Adat are still important for the regulation of their social, economic, and political relations. There are still many affairs peculiar to the native communities in their traditional environment which are not regulated by the laws of Sarawak and the Federal laws.

In view of the rural-urban migration of natives, Adat is also important and practised by the native communities in cities and towns. Adat, in this instance, are used as tool for the administration and management of the native communities at the grass-root or longhouse and *kampung* level. As such, Adat are quite similar in importance to the laws of Sarawak and the country, Malaysia, for the regulation of the social, economic, and political relations of the people in general.

With regard to the advisory roles and functions of MAIS, the majority of the 11 members are appointed from among the community leaders of the major races of Sarawak, namely *Temenggong* and *Pemanca*. They are knowledgeable in Adat, culture and traditions of the respective race.

Now, I would like to highlight some of the programs and activities of Majlis Adat Istiadat Sarawak in its functions in the preservation, promotion and dissemination of Adat.

Preservation of Adat

First, preservation of Adat confines mainly to research, study and codification of Adat. The learning and teaching of Adat is based on oral traditions; that is by words of mouth and listening. The depository of knowledge of Adat is in the memories of the elders which would be disappeared with their demise. The survival of knowledge depends on the prevailing social circumstances and memories of the younger generation.

Modernisation, conversion to Christianity and other religions, and other social changes and development are challenging and impeding the relevance and significance of Adat. As such, there seems to be a trend that the relevance and significance of some Adat are diminished. While some Adat are discarded or abandoned.

Tuan Speaker, there is a growing concern for the loss of knowledge in Adat among the current generation of natives. The loss of knowledge in Adat is not like the loss of money. We can recover the loss of money, but we may never recover the loss of knowledge in Adat. It may be a loss forever. In view of the circumstances which I have mentioned, MAIS is racing against time in its effort to preserve Adat. During the last 10 months of this year, MAIS has conducted 29 series of workshops and fieldworks for data collection through interviews, discussions, dialogues, and with the Bidayuh, Iban, Melanau and the Orang Ulu communities. The main focus of the activities are on Adat relating to settlement matters, family matters and land and their property.

MAIS has received a request from some Remun community leaders in Serian to preserve their Adat through codification. This community has been presumed to be part of the Iban race and their Adat are similar to the Adat practised by the Iban. However, some Remun community leaders contended that Adat Remun are quite different and distinct from the Adat Iban. The Remun language, if I may say so, the tradition are quite different from Iban language. There are some terminologies which are peculiar to the Remun. The aim, among others, is to preserve their traditional knowledge, identity, culture, tradition, legacy, and history.

Four engagement sessions in the forms of dialogue and discussions have been conducted with Remun community leaders this year. The sessions are still in the initial stage and more engagement with them to be conducted in the near future. The Salako-Rara community in Lundu has requested MAIS to conduct a study and incorporate the Adat in which are peculiar to the community in Adat Bidayuh 1994. For this purpose, five engagement sessions in the form of dialogues and discussions have been conducted with this community. This effort is in its initial stage of the study.

The community leaders from the Kayan and Kenyah communities have requested the codified Adet Kayan-Kenyah 1994 to be separated and to become two distinct and different Adet; namely Adet Kayan and Adet Kenyah. The reason is that there are some obvious differences or variations in their languages. In addition, there are dissimilarities between the Kayan and Kenyah in the Miri

Division and the Kayan and Kenyah in Kapit and Bintulu Divisions. MAIS would carry-out the study work next year.

The other preservation of Adat focuses mainly on review of the codified Adat and data collection. The flux of social changes and development which are taking place in the native communities have to a certain extent diminished the relevance and significance of Adat. Under such circumstances, Adat have to be rejuvenated or reinterpreted to adjust and adapt them to new social circumstances. Otherwise, Adat would be irrelevant and would die a natural death. In some cases, where new social situations arise but there is no clear Adat to regulate the situations. In such circumstances, new Adat have to be formulated to regulate the affairs or relations. Toward this end, MAIS has organized eight sessions for the Iban, 12 for the Bidayuh, six for Orang Ulu and three for the Melanau. The sessions were mainly workshops, dialogues, interviews and round table discussions.

Promotion of Adat

Promotion of Adat focus on giving the awareness and importance of Adat to the native communities. In this respect, MAIS has organized four courses: one each for the Iban, Bidayuh, Orang Ulu, and Melanau.

MAIS also conducted an engagement session involving the Native Ketua Masyarakat throughout Sarawak highlighting challenges and way forward for MAIS at Kuching in June 2023. This session has successfully enlightened the Ketua Masyarakat on relevant matters pertaining to the Adat.

In addition to these courses, MAIS has conducted eight outreach programs relating to the awareness and promotion of registration of native marriage and divorce under the Native Adat Marriage Electronic System (NAMES). This is an administrative system for the registration of native marriage and divorce under the Adat. The system was initially to record, manage and monitor marriage and divorce under Adat. The system is accessible to all District Offices and Sub-District Offices. The access has been extended to Jabatan Pendaftaran Negara (JPN) for verification of marital status of any native person wishing to solemnize his or her marriage under Law Reform (Marriage and Divorce) Act, 1976.

Digital Initiatives

Tuan Speaker, MAIS participates in the Sarawak Government Digital Initiative. In this regard, MAIS has completed the upgrading of NAMES to Native Marriage Electronic System version 2 (NAMESv2) in May 2023. This new version enables the public to fill in the personal details *and Surat Pengesahan Perkahwinan Ketua Kampung* or for verification purposes by the District and Sub-District Office.

NAMESv2 is now one of the State services available through the Sarawak Government Portal. NAMESv2 possesses a comprehensive data on Adat Marriage and Divorce in Sarawak. Since June 2023, NAMESv2 has processed 645 Adat Marriage Registrations. In line with this new Digital Initiative, MAIS would continue to support the users by conducting trainings for all District and Sub-District Offices.

Dissemination of Adat

Tuan Speaker, dissemination of knowledge in Adat is very important and crucial for the survival and development of Adat. At the moment, MAIS is providing basic training of Adat to the *Ketua Masyarakat* and *Ketua Kaum* (KMKK) and also associations, e.g., Dayak Bidayuh National Associations (DBNA) and Sarakup Indu Dayak Sarawak (SIDS). MAIS has been engaged by Leadership Institute to give talk on Adat for Effective Execution of Legal and Statutory Functions in Resident and District Offices since 2022.

In line with the proposed transformation and elevation of the Native Courts of Sarawak, MAIS may be required to organize professional teaching and training of Adat to lawyers who want to practice in the Native Courts of Sarawak. In this regard, MAIS would be seeking collaboration with local or foreign institutions of higher learning to formulate the module and syllabus on the jurisprudence of Adat. This could be a major challenge and task for MAIS in the future.

Establishment of Institute of Adat Sarawak

Since its establishment 46 years ago, the Majlis has no proper agency such as a department or an institution to support it. In view of this challenges, the Majlis is planning to establish a supporting agency to assist in discharging its duties and functions. This proposal would be implemented through the amendment of the Majlis Adat Istiadat Sarawak Ordinance, 1977. Barring any untoward event, the Bill may be table next year.

Issues and Challenges

Tuan Speaker, I wish to inform this august House regarding some challenges faced by certain Adat in some Bidayuh communities.

There are issues faced by some Bidayuh communities with regard to the rights of burial of the dead in the village or church cemetery. Most of the cemeteries in the Bidayuh communities are administered by the Kampung Church Committee. The old Adat practiced by most Bidayuh community was that every Bidayuh has the rights to be buried in the cemetery of his or her ancestral kampung when he or she died according to Adat Deya Tarih Pasid. I hope I pronounce the word correctly. The place where his or her ancestor umbilical cords were buried is regarded as the ancestral *kampung* of every Bidayuh. However, now, the authority to decide the right of burial is in the hand of Kampung Church Committee, which overrides the authority of the *Ketua Kampung* and Adat Deya Tarih Pasid. According to the the current practice, only members of the Church are entitled to be buried in the *kampung* or Church cemetery. Otherwise, they are not entitled to be buried in the *kampung* or Church Cemetery. As such, Adat Deya Tarih Pasid is no longer relevant for the regulation of burial of the dead. This has caused a lot of burial problems and anxiety in some Bidayuh communities bearing in mind the period for managing and arranging the burial of the dead is very short.

For the information of the Members of this august House Adat Deya Tarih Pasid is quite similar to Adat Temuni (umbilical cord rule) in some other native communities. This Adat states that a person has the right to be buried in the land where his/her temuni (umbilical cord) was buried, i.e. place of birth.

Tuan Speaker, MAIS has organised a round-table discussion with the Rt Reverend the Archbishop of the Catholic Church and the representative of the Rt Reverend the Bishop of the Anglican Church of Sarawak and Brunei to resolve the issue with a view to resuscitate Adat Deya Tarih Pasid.

The Archbishop of Catholic Church stated in principle that if the land in which the cemetery was situated was registered in the name of the Archbishop, then only members of the Catholic can be buried in that cemetery. If the land was not registered under the Archbishop's name, the rights to be buried in the cemetery' would be decided by JKKK and the Kampung Church Committee.

With regard to the Anglican Church, the Church's representative stated the issues could have arisen due certain approach or stand taken by the JKKK and Kampung Church Committee. The Anglican Church seemed to prefer that JKKK and the Church Committee would decide on the rights of burial in the *kampung* cemetery. As there has been no clear or definite decision made and endorsed in writing by the parties involved following the discussion, this issue is still far from settled and more follow-up discussions would be organised.

Importance of Adat

Tuan Speaker, now I wish to share my thought on the importance of Adat in the up-bringing and regulation of native societies. I think that an “*ideal*” native society could be created through the administration and compliance of Adat. Such society is not a perfect society or an Utopian society. An ideal native society is where peace, harmony, unity, and moderation prevail in that society. The period of peace, harmony, unity, and moderation could provide a conducive condition which may turn to provide some opportunities for members of the society to create relative prosperity, well-being, and search for knowledge and wisdom. Moderation is the self-restraint of thought, conduct and behaviour and the norm for any act or omission to control extremism. Whenever, a dispute arises between members of a society it would be resolved amicably. If a dispute cannot be resolved in such manner, it could be adjudicated in a competent forum such as a Native Courts.

Now, Tuan Speaker, I would like to proceed on matters relating to the Native Courts of Sarawak.

The Restructuring and Elevation of The Native Court of Sarawak

Now I would like to take this opportunity to enlighten Members of this august House on the proposal by the GPS State Government to restructure and elevate the status of the Native Courts of Sarawak. I would like to begin by stating that the very idea of restructuring and elevating the Native Courts was mooted by our Yang Amat Berhormat Premier himself during his address at the 25th Anniversary Dinner of the Office of the Chief Registrar, Native Courts of Sarawak on 24th August 2018. The mandate by Yang Amat Berhormat Premier was to commission a study to come up with a Master Plan to restructure and elevate the current Native Courts of Sarawak to be an autonomous and independent judicial institution like our Civil Courts and Syariah Courts.

Tuan Speaker, a team of local Consultants comprising former civil servants and administrators, practicing lawyers, academicians, and experts on local Adat were appointed by the State Government to carry out a study in January 2020. The study would have been completed within the original nine-month contract period had it not been for delays due to factors beyond the control of both the Government and the Consultant particularly those caused by the COVID-19 pandemic. The study was only completed in February 2022. The Consultant submitted their Final Report containing the Master Plan for the restructuring and elevation of the Native Courts to the State Government or Sarawak Government on March 2023.

Tuan Speaker, I am pleased to inform this august House that the Master Plan on the transformation of the Native Courts which I have just mentioned had been presented to the Majlis Mesyuarat Kerajaan Negeri (MMKN) in July this year. The Master Plan had been duly considered and approved by the MMKN for implementation and this would now pave the way for the State Government to commence the transformation involving an organisational restructuring and elevating the status of our Native Courts.

Based on the recommendations in the Master Plan, the current Native Courts will be restructured and elevated from being just a Unit under the Premier's Department to be a full-fledged judiciary which is independent and autonomous.

The other major changes would involve the hierarchy and organisational structure of the current native court system. In terms of court hierarchy, the recommendation is to restructure our current six-layer court to a four-layer structure comprising the Native Magistrates Court and the Native High Court. The Native High Court would comprise of three layers namely the Native High Court, Native Court of Appeal and Native Supreme Court.

For these changes to take effect, the recommendation in the Master Plan is for the Government to repeal the current Native Courts Ordinance, 1992 and Native Courts Rules, 1993 and to enact a new Native Courts Ordinance and new Native Courts Rules.

The functions, powers and jurisdiction of the new Native Courts will be spelled out in the new Native Courts Bill which will be tabled at this Dewan. At this juncture, our target is to table the New Native Court Bill during the next sitting of this august House.

Tuan Speaker, under the proposed restructuring of the Native Courts, the District Officers and Residents will be relieved of their statutory and judicial duties to preside over cases before the Native Courts. It is the intention of the State Government to appoint legally qualified persons to serve as full-time Magistrates and Judges under the new Native Courts.

The proposed restructuring and elevation of the Native Courts would also involve some changes to the roles and functions of our Headman and Community leaders who are now the Presiding Officers of the Headman, Chiefs and Chiefs Superior Courts or the community level courts under the present structure. At this moment, the Headman or *Ketua Kaum* appointed by the Government are presiding over cases at the Headman Courts while the Community Leaders namely *Penghulus*, *Pemancas* and *Temenggongs* are presiding over cases at the Chief and Chiefs Superior Courts.

While the *Ketua Kaums* and Community Leaders would continue to perform their roles as custodians and administrators of the adat, they will no longer be part of the formal new native court system as Presiding Officers. However, some of them will be involved and appointed as the Council of Elders to assist the Magistrates at the Native Magistrates Courts and Judges of the High Native Courts.

Tuan Speaker, the Master Plan for the restructuring and elevation of the Native Courts of Sarawak have been produced and recently approved by the Government due to the support, contribution, and the commitment of various parties.

In this regard, I would like to take this opportunity to thank members of the Study Steering Committee which is chaired by Yang Berhormat Datuk Amar Douglas Uggah Embas, Deputy Premier and Member for Bukit Saban, the Technical Committee headed by the State Attorney General, the Study Secretariat at the Office of the Chief Registrar, Native Courts Sarawak as well as the Consultant Team for their ideas, inputs, dedication and commitment in producing the Master Plan.

Due to the contribution and commitment of all involved, the State Government now have a Master Plan to restructure and elevate, albeit to transform our Native Courts, to be an independent and autonomous judiciary which will be respected and meets the aspiration of the Government.

Now Tuan Speaker, I would like to respond to the issues raised by Ahli-ahli Yang Berhormat during the debate during the Second Reading of 2024 Budget Bill relating to Unit Pentadbiran (UP) and Unit Pengurusan Imigresen dan Buruh (ILMU).

Bangunan Pejabat Daerah Kecil Nanga Budu

Untuk makluman Ahli Yang Berhormat bagi Krian, status terkini pembinaan Pejabat Daerah Kecil Nanga Budu yang baharu dalam proses pra-kontrak (*Pre-contract Stage*) iaitu penyediaan reka bentuk bangunan terperinci dan dokumen tender. Tender dijangka akan dikeluarkan pada suku pertama tahun 2024. Tempoh pelaksanaan projek ialah 18 bulan.

Untuk pembinaan *Service Quarters* Daerah Kecil Nanga Budu termasuk di dalam senarai Projek Pembinaan *Service Quarters* dan Bangunan Pejabat Kerajaan Sarawak yang telah diluluskan dalam Kajian Separuh Penggal RMK-12. Pembinaannya dijangka bermula pada pertengahan tahun 2024.

Pada masa ini, Pejabat Daerah Kecil Nanga Budu telah beroperasi di bangunan Kuarters Kerajaan secara sementara sejak 2 Januari 2023.

Kuarters Daerah Bukit Mabong

Untuk makluman Ahli Yang Berhormat bagi Baleh, Kerajaan masih dalam proses untuk mengenal pasti tapak bagi pembinaan *Service Quarters* di Daerah Bukit Mabong. Antara faktor yang diambil kira dalam menentukan tapak tersebut ialah keberadaan kemudahan jalan raya, bekalan air dan bekalan elektrik.

Kompleks Pentadbiran di Daerah Lingga dan Daerah Kecil Maludam

Untuk makluman Ahli Yang Berhormat bagi Lingga, projek pembinaan Kompleks Pusat Pentadbiran Daerah Lingga dan Daerah Kecil Maludam tersenarai di dalam Projek Pembinaan *Service Quarters* dan Bangunan Pejabat Kerajaan Sarawak yang telah diluluskan dalam Kajian Separuh Penggal RMK-12. Status projek pada ketika ini dalam proses mengenal pasti tapak yang sesuai untuk mendapat kelulusan Majlis Perancangan Sarawak dan pembinaannya dijangka bermula pada akhir tahun 2024.

Bagi pejabat lama Daerah Kecil Maludam, Jabatan Kerja Raya Sarawak telah diminta untuk menjalankan penilaian kondisi bangunan bagi menentukan tahap kerosakan dan status keselamatan bangunan tersebut.

Bangunan Pejabat Pertanian Daerah Simunjan

Untuk makluman Ahli Yang Berhormat bagi Simunjan, Kerajaan memang berhasrat untuk menempatkan ruang bagi Pejabat Pertanian Daerah Simunjan yang baharu di Pusat Pentadbiran Kerajaan Sarawak Daerah Simunjan. Projek pembinaan Pusat Pentadbiran Kerajaan Sarawak Daerah Simunjan tersenarai di dalam Projek Pembinaan *Service Quarters* dan Bangunan Pejabat Kerajaan Sarawak yang telah diluluskan dalam Kajian Separuh Penggal RMK-12. Status projek pada ketika ini dalam proses mengenal pasti tapak yang sesuai untuk mendapat kelulusan Majlis Perancangan Sarawak dan pembinaannya dijangka bermula pada akhir tahun 2024.

Pemantapan Peranan Jawatankuasa Kemajuan dan Keselamatan Kampung (JKKK)

Bagi isu yang dibangkitkan oleh Ahli Yang Berhormat bagi Daro, iaitu berhubung dengan cadangan untuk memperkasakan peranan dan fungsi JKKK melalui modul latihan dan pendidikan, Kerajaan telah menjalinkan kerjasama dengan pelbagai pihak, termasuk agensi-agensi Persekutuan seperti Kementerian Kemajuan Desa dan Wilayah (KKDW), Institut Kemajuan Desa (INFRA), Jabatan Kemajuan Masyarakat (KEMAS), dan agensi-agensi negeri seperti Pejabat Residen dan Daerah dalam melaksanakan pelbagai program-program untuk memberikan pendedahan dan pembangunan JKKK di Sarawak.

Pada tahun ini, sebanyak 52 program telah dilaksanakan yang melibatkan seramai 3,795 ahli JKKK Sarawak, dengan tumpuan kepada pemerksaan kepimpinan desa, keusahawanan wanita, modul integriti, kecemerlangan belia, pemerksaan biro, kit pertanian, agroekologi, pelan tindakan strategik desa, pengurusan bencana, penilaian bantuan, serta seminar dan simposium bertujuan meningkatkan kemajuan dan pembangunan di peringkat kampung.

Cadangan Kenaikan Gaji Ketua Masyarakat dan Elaun Ketua Kaum

Bagi isu yang dibangkitkan oleh Ahli Yang Berhormat bagi Tebedu, Serembu, Lingga, Tellian, Opar, Pelagus, Tamin, dan Beting Maro, iaitu berhubung dengan cadangan kenaikan gaji bagi Ketua Masyarakat dan elaun bagi Ketua Kaum.

Untuk makluman Ahli-ahli Yang Berhormat, kali terakhir Kerajaan Sarawak membuat penyelarasan gaji bagi Ketua Masyarakat dan elaun bagi Ketua Kaum adalah pada tahun 2018. Ketua Masyarakat dan Ketua Kaum memainkan peranan yang sangat penting dalam membantu

Kerajaan menyampaikan maklumat berkaitan polisi dan dasar-dasar terkini Kerajaan di peringkat akar umbi.

Kerajaan juga mengambil maklum akan peningkatan kos sara hidup dan peranan serta tanggungjawab Ketua Masyarakat dan Ketua Kaum yang semakin bertambah. Oleh demikian, Kerajaan akan mengkaji dan meneliti secara terperinci keperluan ini bagi 7,585 Ketua Masyarakat dan Ketua Kaum di seluruh Sarawak.

Penambahan Jawatan Ketua Masyarakat dan Ketua Kaum

Bagi isu yang dibangkitkan oleh Ahli Yang Berhormat bagi Tanjong Batu, Tellian, Bukit Semuja dan Batu Danau iaitu berhubung dengan cadangan untuk penambahan jawatan Ketua Masyarakat dan Ketua Kaum.

Untuk makluman Ahli Yang Berhormat, Kerajaan setakat ini telah menerima sebanyak 876 permohonan cadangan pewujudan jawatan baharu Ketua Masyarakat dan Ketua Kaum (KMKK) dari semua Bahagian di seluruh Sarawak. Setakat ini, Kerajaan sedang meneliti secara terperinci keseluruhan permohonan pewujudan jawatan tersebut berdasarkan keperluan serta kriteria-kriteria umum pewujudan jawatan baharu Ketua Masyarakat dan Ketua Kaum.

*Isu Elaun Ketua Kaum Diberhentikan dan
Pengiktirafan Ketua Kaum Yang Mempunyai 20 Pintu Ke Atas*

Bagi isu yang dibangkitkan oleh Ahli Yang Berhormat bagi Ngemah, iaitu berhubung elaun bagi Ketua Kaum yang diberhentikan, Kerajaan telah menetapkan bahawa bagi Ketua Kaum yang telah dilantik selepas Merdeka (1963) dan mempunyai rumah panjang/ kampung di bawah seliaan beliau kurang dari 10 pintu atau rumah, pembayaran elaun bulanan harus dihentikan.

Manakala, bagi pengiktirafan pelantikan Ketua Kaum selepas tarikh 17 Februari 2000, Kerajaan telah menetapkan Ketua Kaum tersebut hendaklah mempunyai rumah panjang atau kampung di bawah seliaan beliau dengan jumlah 20 pintu ke atas.

Application for Native Status

On the issue raised by the Honourable Member for Ba'Kelalan, currently there are two ways implemented by the Sarawak Government to deal with the application for native status. Firstly, prior to the coming into force of the Interpretation Amendment Ordinance, 2022 on 1st November 2023 the native status would only be granted through an application to be deemed native before the Resident Native Court pursuant to the Native Courts Ordinance, 1992. It is a lengthy process, and the applicant must fulfil certain conditions and requirements provided for under the Native Courts Rules, 1993 such as proficient in the language or dialect of that native community and he practises or conforms to the customs and culture of that native community that he wants to be identified with.

Secondly, with the coming into force of the Interpretation Amendment Ordinance, 2022 on 1st November 2023, the Sarawak Government has simplified the conditions, requirements, and processes for such person to be recognised as a native under the Amendment Ordinance. This is to ensure that they are suitable, reasonable, and practical as compared with the conditions, requirements, and processes under the previously mentioned Native Courts Rules, 1993.

In order for the Applicant to be recognised as a native of Sarawak under the Interpretation Amendment Ordinance, 2022, the Applicant must satisfy the conditions and requirements imposed by the Sarawak Government. The conditions imposed are:

- (a) The Applicant must be a Malaysian citizen;
- (b) The Applicant is a natural born child of a native of Sarawak; and
- (c) One of the Applicant's parents is a native of Sarawak.

Very simple, isn't it? The Applicant is also required to submit their application at any District Office throughout Sarawak. Must be submitted to the District Office. This will include newborn babies where the application can be made by one of his natural parents. Therefore, the requirement for such person to make an application to be recognised as a native is necessary as the Government has the responsibility to ensure that only genuine application is processed and considered to safeguard the special position and rights of a native of Sarawak as enshrined in the Federal Constitution. Every application will be processed with due diligence. The fee of RM100 will still be imposed as a processing fee for the application and the issuance of the certificate.

Having said the above, I wish to inform that the conditions, requirements, and processes for application to be deemed as a native before the Resident Native Court under the Native Courts Rules, 1993 still apply to a non-native child adopted by native parent(s) and also to an application for non-native spouse(s) of a native person.

Delivering Better Services through Digitalisation

On the issue raised by the Honourable Member for Tupong. In supporting the Digital Transformation Plan under the Digital Government Services as outlined in Sarawak Post COVID-19 Development Strategies 2030 (PCDS 2030), the Sarawak Government through the Immigration and Labour Management Unit, Premier Department is in the process of developing a holistic and comprehensive platform to ease the process of recruiting local and foreign workers in Sarawak. It's started from the job advertisement process until the recruitment of successful employees.

The Foreign Worker Transformation Approach (FWTA) system that we developed are complies with security measures in terms of data gathering, storage, usage, and producing or generating computer files (documents) for official purpose. Other than that, the FWTA platform is seamless in the workflow and processing of the applications and approval.

This system is expected to be deployed in the year 2024 and the initial key functions and features consist of job advertisement, Approval in Principle (AP) applications, health monitoring and enforcement and tracking. The FWTA system will be incorporated with SarawakID and SarawakID Corporate for user access control and it will have an audit trail to ensure transparency in practice.

This system will be integrated with other existing systems under a similar subject or category to support the ecosystem from identifying the talent pool, and skill set requirements to the job matching process and job-hunting activities for Sarawakian employees and employers. Continuous improvement and continuous value added, and value creation will be included in this system from time to time in accordance with the current trend and the state's requirement to control, monitor and coordinate supply and demand for human resources in Sarawak.

While we are focusing on improving our service delivery, we are also indirectly conducting an exercise on developing our big data initiatives, and in the near future, I believe that through the data analysis, we will know what to tackle and what to prepare in order to achieve our mission to become a high-income State in year 2023.

Immigration Autonomy on Permanent Resident

Bagi isu yang dibangkit oleh Yang Berhormat Meradong, bagi setiap permohonan permit masuk bagi warganegara asing di Sarawak adalah di bawah kawal selia oleh Jabatan Imigresen Malaysia Sarawak di bawah Seksyen 10 Akta Imigresen 1959/63; *Immigration Prohibition Order Schedule* (Perenggan 3,4 & 5); Pekeliling Imigresen Terhadap Bilangan 16/2009 bertarikh 15 Disember 2009 dan Peraturan 4, Peraturan-Peraturan Imigresen 1963.

Permohonan permit masuk di Sarawak perlu dihantar ke Jabatan Imigresen Malaysia, Sarawak. Proses tapisan keselamatan akan dilakukan oleh Jabatan Imigresen dan Polis Diraja Malaysia. Kerajaan Sarawak yang bertindak sebagai Pihak Berkuasa Kerajaan Negeri akan memberi

sokongan atas permohonan yang lengkap iaitu Seksyen 65(1) Akta Imigresen 1963 untuk diangkat kepada Ketua Pengarah Imigresen Malaysia berdasarkan Pekeliling Imigresen Malaysia Terhad Bilangan 16/2009. Bagi permohonan yang tidak Berjaya, boleh membuat rayuan kepada pihak Kementerian Dalam Negeri (KDN) melalui Kerajaan Sarawak dalam tempoh 30 hari dalam tarikh surat keputusan.

Tuan Speaker, I would like to respond to the issues raised by Ahli Yang Berhormat DUN Bukit Assek dan DUN Beting Maro during the second reading of 2024 Budget Bill.

LOW COMPLETION RATE OF RTP PROJECTS FOR DUN BUKIT ASSEK

Untuk makluman Ahli Yang Berhormat bagi Bukit Assek, bagi tahun 2022 dan 2023, sejumlah 72 projek RTP telah diluluskan untuk kawasan DUN Bukit Assek dengan siling sebanyak RM10 juta. Status pelaksanaan 72 projek tersebut setakat 24 November 2023 adalah seperti berikut:

- (a) 51, iaitu 70.8% projek berstatus Dalam Perancangan (DPr);
- (b) 4, iaitu 5.6% projek berstatus Ikut Jadual (IJ); dan
- (c) 17, iaitu 23.6% projek berstatus Sudah Siap.

Untuk makluman bagi ADUN Bukit Assek, sejumlah besar projek yang belum dilaksanakan disebabkan projek-projek ini hanya diluluskan pada tahun 2022 dan 2023. Antara sebab-sebab lain projek ini belum dilaksanakan adalah seperti berikut:

- (a) dalam proses pindaan projek;
- (b) dalam proses pertapakan;
- (c) dalam proses mendapatkan kelulusan Kementerian Pendidikan Malaysia; dan
- (d) dalam proses cabut undi.

Kerajaan Sarawak sentiasa peka terhadap keperluan rakyat dan komited dalam usaha membangunkan kawasan luar bandar bagi memastikan penduduk luar bandar tidak ketinggalan menikmati arus pembangunan melalui penyediaan kemudahan infrastruktur, utiliti dan *amenity sosial*.

Dalam hal ini, kerjasama semua pihak yang terlibat khususnya Pentadbiran Bahagian dan Daerah, YB ADUN, agensi pelaksana, JKKK dan agensi berkaitan adalah penyumbang utama kepada kejayaan pelaksanaan projek RTP bagi memastikan projek-projek tersebut dapat dilaksanakan dan disiapkan seperti yang dirancang.

PROJEK SAKIT (LEWAT JADUAL KRITIKAL) DUN BETING MARO

Tuan Speaker, untuk makluman Ahli Yang Berhormat bagi Beting Maro,

Skim Perumahan Nelayan Beladin

Pertama sekali, saya ingin memaklumkan bahawa Projek RGC adalah di bawah bidang kuasa Kementerian Industri Makanan, Komoditi dan Pembangunan Wilayah (M-FICORD) berdasarkan *The Ministers of The State Government Assessment Portfolio No. 2 Order 2022*.

Dalam isu projek Skim Perumahan Nelayan Beladin, Lembaga Pembangunan dan Lindungan Tanah atau LCDA merupakan agensi pelaksana kepada projek tersebut. Seperti Yang Berhormat sedia maklum, projek Skim Perumahan Nelayan Beladin merupakan projek usaha sama antara Kerajaan Sarawak dan Kerajaan Persekutuan. Setakat ini, sebanyak 300 unit Skim Perumahan Nelayan Semop dan 68 unit Skim Perumahan Nelayan Beladin telah siap.

Unit rumah yang telah siap akan diserahkan kepada peserta setelah Kerajaan memuktamadkan mekanisme pemilihan dan senarai peserta. Bagi memastikan rumah tersebut *fit*

and safe for occupancy, Kerajaan Sarawak melalui agensi pelaksana akan melaksanakan kerja-kerja pembaikan sebelum rumah tersebut diserahkan kepada peserta. Dalam hal ini, Kerajaan Sarawak telah memohon peruntukan dengan Kerajaan Persekutuan bagi tujuan tersebut.

Kompleks Pendaratan Ikan – Lembaga Kemajuan Ikan Beladin atau LKIM Beladin

Kompleks Pendaratan Ikan LKIM Beladin telah siap sepenuhnya dan diserahkan kepada pihak LKIM pada 16 Jun 2022. LKIM Sarawak kini sedang dalam fasa perancangan untuk pelaksanaan kerja-kerja pembaikpulihan Kompleks Beladin. Pada 1 November 2023, Lembaga Kemajuan Ikan Malaysia telah menempatkan seorang kakitangan di kompleks tersebut bagi urusan pentadbiran dan pengoperasian. Kompleks ini dibina sementara menunggu kerja-kerja baik pulih dilaksanakan. Buat masa ini, LKIM sedang berusaha menyelesaikan isu-isu berkaitan dengan jalan akses dan kemudahan utiliti.

Projek Jeti Tambatan Nelayan Beladin

Bagi cadangan pembinaan Jeti Tambatan Nelayan Beladin, projek ini adalah cadangan daripada Ahli Yang Berhormat bagi Beting Maro untuk dibina di Skim Perumahan Nelayan Beladin menggunakan peruntukan Yang Berhormat ADUN sendiri. Setakat ini, LKIM belum menerima arahan hala tuju selanjutnya daripada Ahli Yang Berhormat bagi Beting Maro untuk tindakan pelaksanaan jeti tersebut.

Pejabat Daerah Pusa, Bahagian Betong

Projek Pejabat Daerah Pusa, Bahagian Betong adalah projek RMKe-12 Peruntukan Negeri dengan kos projek bernilai RM7.45 juta. Projek ini telah di *award* pada 31 Mac 2023. Namun kontrak telah ditamatkan pada 26 April 2023 disebabkan prestasi kontraktor yang tidak memuaskan dengan kemajuan fizikal sebenar sebanyak 22% sahaja berbanding dengan kemajuan fizikal dirancang sebanyak 44.65%. Projek tersebut dijangka untuk ditender semula pada suku pertama tahun 2024.

Bina Baru Food Court Di RGC Beladin

Projek Bina Baru Food Court di RGC Beladin adalah merupakan salah satu daripada tiga projek baharu yang telah diluluskan pada bulan Julai 2023 bagi menggantikan projek Bina Baru Pusat Kompleks Penginapan RGC Beladin dan Bina Baru Pusat Komuniti RGC Beladin yang telah diluluskan pada tahun 2019.

Projek ini tidak dapat dilaksanakan sehingga kini disebabkan oleh isu pertapakan dan peruntukan yang diluluskan tidak mencukupi untuk memenuhi keperluan cadangan reka bentuk projek. Memandangkan peruntukan sedia ada tidak mencukupi, saya dimaklumkan bahawa Kementerian Kesihatan Awam, Perumahan dan Kerajaan Tempatan (MPHLG) akan mencadangkan projek ini dilaksanakan menggunakan sumber peruntukan lain.

Pusat Penjaja RGC Beladin

Pembinaan Pusat Penjaja RGC Beladin merupakan komponen di bawah projek Bina Baharu R&R RGC Beladin Fasa II. Pusat ini di peringkat akhir dan dijangka siap sepenuhnya pada hujung Disember 2023. Projek ini akan diserahkan kepada Majlis Daerah Betong untuk pengurusan dan penyelenggaraan serta dijangka boleh beroperasi sepenuhnya seawal bulan Januari 2024.

Dewan Serbaguna Kampung Pusa, Betong

Pembinaan Dewan Serbaguna Kampung Pusa, Betong telah siap pada Oktober 2023. Dewan ini dijangka akan diserahkan kepada Majlis Daerah Betong setelah proses pengeluaran *Certificate of Practical Completion* (CPC) dan *Occupational Permit* (OP) diselesaikan dalam suku pertama tahun 2024.

Jadi kesimpulan, untuk makluman Ahli Yang Berhormat bagi Beting Maro, usaha pemantauan projek pembangunan yang dipertanggungjawabkan urus setia oleh Unit Pemantauan Pelaksanaan Sarawak (SIMU) dan Pejabat Pembangunan Negeri (SDO) sama ada di peringkat Negeri mahupun peringkat Negara giat dilaksanakan melalui mekanisme Pemantauan Kerajaan Sarawak dan Arahan No.1 Kerajaan Persekutuan.

Ini dilaksanakan melalui mesyuarat pembangunan atau tindakan, mesyuarat zon, lawatan tapak dan mesyuarat intervensi yang diadakan bagi memastikan pelaksanaan projek pembangunan Negeri dan Persekutuan berjalan lancar. Pada tahun ini, beberapa mesyuarat telah diadakan di peringkat Negeri iaitu Mesyuarat Jawatankuasa Penyelarasan Pembangunan Negeri (SDCCM) yang dipengerusikan sendiri oleh Yang Amat Berhormat Premier Sarawak sebanyak lima kali. Mesyuarat Tindakan Pembangunan Negeri (MTPNg) yang dipengerusikan oleh YB Datuk Amar Douglas Uggah Embas, Timbalan Premier Sarawak sebanyak sekali. Mesyuarat Jawatankuasa Tindakan Pembangunan Negeri (JTPNg) yang dipengerusikan oleh YB Setiausaha Kerajaan Sarawak sebanyak empat kali, Mesyuarat Penyelarasan dan Pemantauan Projek Pembangunan Peruntukan Kerajaan Sarawak mengikut zon dan Mesyuarat Penyelarasan dan Pemantauan Projek Rakyat yang dipengerusikan oleh Pengarah SIMU masing-masing sebanyak lapan dan empat kali. Malahan, kementerian-kementerian juga memantapkan pemantauan projek di peringkat kementerian masing-masing.

Dalam masa yang sama, Jawatankuasa Pembangunan Bahagian (DDC)/ Jawatankuasa Tindakan Pembangunan Bahagian (JTPB) yang dipengerusikan oleh Residen di mana keahliannya turut melibatkan Ahli Yang Berhormat kawasan juga berperanan menjadi ejen pemantau utama projek-projek di peringkat Bahagian.

Dalam hal ini, Ahli-ahli Jawatankuasa perlu kerap turun padang bagi memastikan kemajuan pelaksanaan projek berjalan dengan lancar dan menyelesaikan isu-isu berbangkit di peringkat bahagian seperti yang diputuskan dalam SDCCM yang dipengerusikan oleh Yang Amat Berhormat Premier Sarawak dan diurusetiaikan oleh SIMU.

Before I conclude, I want to take this opportunity to once again thank Ahli-ahli Yang Berhormat for the issues and concern pertaining to my portfolio. Saya juga ingin merakamkan jutaan terima kasih kepada agensi-agensi Jabatan Premier Sarawak iaitu Mahkamah Bumiputera Sarawak, Majlis Adat Istiadat Sarawak (MAIS), Unit Pemantauan Pelaksanaan Sarawak (SIMU), Unit Pentadbiran; dan Unit Pengurusan Imigresen dan Buruh atas usaha dan kerjasama dedikasi pegawai-pegawai agensi bagi menyediakan input dan ucapan penggulungan saya ini.

Dengan kesempatan ini juga saya ingin mengucapkan Selamat Hari Krismas kepada yang beragama Kristian dan Selamat Tahun Baru kepada semua. Bagi menutup ucapan penggulungan saya, suka saya akhiri dengan serangkap pantun:

*Dari Beladin pergi ke Pusa,
Membeli buntal pulang hari,
Amalkan hidup bekerjasama,
Daripada kita menuding jari.*

Maka dengan ini saya menyokong usul Rang Undang-Undang Perbekalan (2024), 2023. Sekian, terima kasih.

Timbalan Speaker: Terima kasih, Ahli Yang Berhormat Menteri Dato Sri John Sikie di atas penggulungan tadi. Dengan ini, saya ingin dengan segala hormatnya menjemput Ahli Yang Berhormat Dato Sri Lee Kim Shin, Menteri Pengangkutan untuk menyampaikan ucapan penggulungan.

Menteri Pengangkutan (YB Dato Sri Lee Kim Shin): Terima kasih, Tuan Speaker. Selamat petang, Salam sejahtera dan Salam Sarawak Maju Makmur. First and foremost, I would like to

congratulate Tuan Speaker on his re-appointment as the Speaker of this Sarawak Legislative Assembly for another term of two years from 16th November 2023 to 15th November 2025. This is a testimony of his able leadership in maintaining the excellence conduct and decorum of this august House as well as upholding the Standing Orders of the Sarawak State Legislative Assembly throughout his service.

Tuan Speaker, I extend my heartfelt congratulations to the Right Honourable Premier of Sarawak who was recently conferred with the distinguished Honorary Fellow Award by the Asean Federation of Engineering Organisations (AFEO) on 22nd November 2023 at the 41st Conference of the Asean Federation of Engineering Organisations at Bali, Indonesia. This prestigious commendation is a reflection of the Right Honourable Premier's tireless efforts, innovative thinking and unwavering commitment to develop Sarawak.

It also acknowledges the dynamic and progressive leadership demonstrated by the Right Honourable Premier in the global context, and especially in the ASEAN region. The exemplary achievements and leadership qualities of the Right Honourable Premier will continue to inspire our future leaders and the younger generation to possess great self-belief, envision a purpose, and move in the right direction to sustain the socio-economic development of Sarawak.

GPS Winning By-Election N.67 Jepak

Tuan Speaker, I would also like to take this opportunity to record my congratulations to the Gabungan Parti Sarawak (GPS) under the leadership of the Right Honourable Premier for the landslide victory of the By-Election N.67 Jepak on 4th November 2023. GPS once again retained DUN N.67 Jepak by securing 9,638 votes to win with a majority of 8,784 votes. This indicates that the people of Jepak have confidence and trust in the current Government led by our Right Honourable Premier in bringing development to Jepak and Sarawak as a whole.

To Ahli Yang Berhormat for N.67 Jepak, I would like to welcome him to this august House, representing the people of N.67 Jepak to carry out their hopes and aspirations for more development for Jepak.

Belanjawan 2024 Malaysia Madani (Federal Budget 2024)

Tuan Speaker, the Belanjawan 2024 Malaysia Madani themed "*Economy Reforms, Empowering The People*" (Reformasi Ekonomi, Memperkasakan Rakyat) *allocated RM303.8 billion for operating expenditure and RM90.0 billion for development expenditure.*

Nonetheless, despite the huge amount of the development budget, the Federal Government has only allocated RM5.8 billion for Sarawak's development expenditure. I believe Sarawak deserves more funding in view of the development needs as well as its huge contribution to the national economy. Hence, I fully support the Right Honourable Premier's request for the Federal Government to provide more allocation to Sarawak. I also appeal for the Federal Government to provide more allocation for the development of the transport sector in Sarawak.

Supply Bill, 2024

Tuan Speaker, I would like to congratulate the Right Honourable Premier for his forward-thinking and people-centric budget with the theme Development for All: Together, Building a Prosperous, Sustainable and United Sarawak. This budget reflects GPS Government's commitment to steer Sarawak into a well-developed status through economic growth strategies while prioritising the well-being of our people and securing a bright future for our children.

The development-oriented budget with a projected surplus of RM386 million is a testament of prudent financial management. This instils confidence in the effective utilisation of resources for the betterment of our people and the sustained development for Sarawak.

In addition, I applaud and fully support the initiatives for human capital and talent development as announced by the Right Honourable Premier in the budget. The four key initiatives will further enhance our students' and professionals' access to education and skill development programmes that act as catalysts for personal and professional development. Henceforth, Sarawak's younger generation will be encouraged and motivated to acquire skills and knowledge to upgrade their living standard. This is certainly critical for Sarawak to attain high income and developed status by 2030. As the saying goes, *"If you give a man a fish, you feed him for a day. If you teach a man to fish, you feed him for a lifetime"*.

The GPS Government will continue to provide opportunities for upward mobility to the *rakyat* by investing in education, training and talent development. These are crucial for fostering sustainable economic growth, societal progress, improving health and individual well-being, and reducing income inequality.

I am fully supportive of the Supply Bill presented by the Right Honourable Premier. As my Ministry progresses with the development of Sarawak, it is hoped that more allocation will be provided for the transport sector in the future.

Passing of Bills 2023

Tuan Speaker, with this opportunity, I also wish to congratulate our GPS Government for introducing five Bills during this sitting. Two of the Bills, namely the Sarawak Ombudsman Bill, 2023 and the Environment (Reduction of Greenhouse Gases Emission) Bill, 2023 are the first of its kind in Malaysia. I believe the smooth approval of the Bills by this august House reflects the stability and unity of our GPS Government.

The Sarawak Ombudsman Bill, 2023 would enable our GPS Government to uphold governance, transparency and integrity. These are the key elements for the Government to practice in order to ensure efficiency in public service administration.

Meanwhile, the Environment (Reduction of Greenhouse Gases Emission) Bill, 2023 showcases Sarawak's commitment to reduce greenhouse emissions in line with the objective to combat climate change and to achieve carbon neutrality by 2050 in accordance with the Paris Agreement. I believe this Bill will be a guiding policy in our efforts to develop an environmentally friendly transport system in Sarawak.

With the introduction and implementation of these Bills, we hope Sarawak will continue to prosper and embrace sustainable development without compromising resources for future generations.

GLOBAL DIRECTION FOR TRANSPORT SECTOR

Tuan Speaker, on global scale, the transport sector is increasingly aligned with sustainable goals, notably the target of achieving net-zero emissions by 2050. This commitment reflects a collective global effort to address environmental concerns and create a more sustainable future.

The Aichi 2030 Declaration on Environmentally Sustainable Transport, adopted by 22 countries, including Malaysia, signifies a regional commitment towards Sustainable Development Goals (SDG) and The Paris Agreement on sustainable development. This declaration emphasises the development of universally accessible, safe, affordable, efficient, clean, low-carbon, resilient and multi-modal passenger and freight transport systems in Asia.

In line with these global and regional initiatives, Malaysia has made a commitment to reduce carbon emissions in the transport sector with aims to reduce greenhouse gas emissions by 2030.

Under the leadership of the Right Honourable Premier of Sarawak, Sarawak Government is embarking on the transformation of Sarawak's transport sector in harmony with these global directions to shape a socially inclusive and sustainable future for Sarawak.

Tuan Speaker,

TRANSFORMING SARAWAK'S TRANSPORTATION SECTOR

Transport Sector as Enabler Towards High Income Economy and Developed Region by 2030

The Post COVID-19 Development Strategy (PCDS 2030) outlined very clear strategies for Sarawak to achieve high income economy and developed region by 2030, with a GDP value of RM282 billion supported by an average growth of 8% per annum. This growth will be driven by various economic sectors underpinned by aggressive utilisation of natural resources and infrastructure development.

Looking at many high income and developed regions or countries around the world, it is understood that "*a developed region*" is not merely defined by its high income level. Most developed regions are characterised by its advanced economy driven by industrialisation, high technology and innovation, research and development, and supported by advanced transport systems and related infrastructures, be it public transport, logistic hubs, ports, airports or marine and riverine transport.

Transport sector is the key enabler for economic growth and social integration. Hence it must be given high priority, be it in the form of policy direction, funding, planning and human capital. My Ministry is tasked with the responsibility to accelerate the growth of economic sectors particularly tourism, services, agriculture and mining, as well as to facilitate the smooth movement of people and goods. To achieve the 2030 vision, it is crucial for us to advance and modernise our transport sector with integrated planning, introduction of new technologies, supportive policies and strengthened transport entity.

Institutional and Policy

A strong institutional setting and clear policy direction are fundamental for an efficient transport management and its service delivery. The transport system is influenced by many factors under the purview of various agencies and authorities, both at Sarawak and Federal Governments level. To actualise the vision outlined in PCDS 2030, my ministry is engaging with all relevant stakeholders to revisit relevant laws and regulations. This is to facilitate necessary updates and changes to enable the development of the transport sector and achieve its aspiration of a safe, reliable, affordable and energy-efficient integrated transport system.

River Economy

Tuan Speaker, my Ministry has taken strategic steps to improve the navigational safety of Sarawak's rivers to tap its economic potential. One of the initiatives taken is to study the navigability of Sungai Sarawak Kanan and from Kuching Waterfront to Siniawan. This study will map out the navigability of the river and recommend strategies to develop economic activities in line with the river economy concept. We must ensure safe navigation of our rivers to facilitate the movement of people and goods. This is critically important, as some of our settlements along the riverbanks are still dependent on the river as the key mode of transport. At the same time, it promotes river sports activities, enhances business, and trade. To achieve safer navigation, it is essential to eliminate hazards in the river, provide up-to-date river charts and strategically deploy a sufficient number of Aids to Navigation (AtoNs) across the rivers. Compliance with the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) standards is crucial to maintain and grow our riverine shipping industry.

Strengthening of Buoys and Lights

Tuan Speaker, for the information of this august House, the Sarawak Buoys and Lights Board was established under Clause 4(1) of the Merchant Shipping (Buoys and Lights) Regulations, 1961 made under Section 277 of the Merchant Shipping Ordinance, 1960.

Currently, the Sarawak Buoys and Lights Board does not have its own management structure set-up. The entity is administered by its Board of Directors whereby the function of the Board is performed by the Marine Department, Sarawak Region.

The Sarawak Buoys and Lights Board needs to be strengthened and transformed from its present status. It is very crucial and timely to ensure the effective management and delivery of buoys and lights services, expansion of revenue stream especially through the collection of buoys and lights dues, and most importantly to protect the sovereignty of Sarawak. Therefore, my Ministry is working closely with the Sarawak State Attorney General's Chambers to review and propose changes to the regulations. Our objective is to establish a robust management structure and provide adequate staffing for the Sarawak Buoys and Lights Board.

Integrated Transport Planning

Tuan Speaker, integrated transport planning is a comprehensive approach to establish a cohesive, seamless and sustainable transport network within the region. For land transport, key factors such as urban design, accessibility, settlements patterns, road and drainage construction, employment centres, socio-economic background and environmental considerations can significantly influence the efficiency and effectiveness of the transport system.

A critical aspect of integrated transport involves the harmonious integration of transport systems with key infrastructure components such as ports, airports and resource producing centres to enhance the efficiency of economic sectors and contribute to overall socio-economic advancement.

Furthermore, the integration of public transport with residential, commercial and industrial zones can greatly enhance accessibility and efficiency. The incorporation of transit oriented development (TOD) in urban planning can create vibrant and sustainable communities around transit hubs. This will result in well-connected communities that not only facilitate economic activities but also improve overall quality of life. A coordinated effort to understand and address these factors is essential for developing a transport system that caters for community needs while adhering to socio-economic and environmental considerations.

Considering these factors, my ministry has commissioned the study on the Sarawak Integrated Transport Master Plan and Urban Transport Action Plan to guide development direction and policy formulation to ensure a sustainable transport system in Sarawak amidst rapid urbanisation.

Active Mobility

Tuan Speaker, cities worldwide are increasingly focused on creating environments that support active mobility. This involves designing urban spaces with pedestrian-friendly infrastructure, dedicated cycling lanes and improved connectivity between various transport modes. Active mobility provides a range of benefits, including improved health, environmental sustainability, economic efficiency and social well-being. Investing in and promoting active transport infrastructure can contribute to the development of more sustainable, liveable and inclusive communities. In line with these principles, my Ministry is working closely with the relevant agencies to plan and build integrated bicycle lanes and pedestrian walkways at strategic areas to complement motorised transport modes and act as feeder to other modes of transport.

Advancement of Transport Infrastructures

Railway Infrastructure

Tuan Speaker, after our deliberation with the Federal Government, the Feasibility Study on Trans Borneo Railway is scheduled to take place next year under Rolling Plan 4 of the 12th Malaysia Plan. This feasibility study marks the beginning of our plan to advance land connectivity beyond our border, going through to Sabah and with potential links to Negara Brunei Darussalam and Kalimantan. It is envisioned as a catalyst to serve as a vital transport network by linking key economic centres, ports and airports in Sarawak and Sabah.

Logistics Hub

Tuan Speaker, the establishment of a logistics hub can significantly support economic growth by enhancing efficiency, reliability and cost-effectiveness of the movement of goods. These hubs play a crucial role in facilitating trade, connecting producers and consumers and elevating the overall competitiveness of businesses.

In developed countries, logistics hubs serve as a central point for storage and sorting to optimise the distribution of goods. This reduces transport costs, shortens lead times and enhances the overall efficiency of supply chains.

For this purpose, my Ministry is developing lorry terminals in major towns with Miri and Bintulu terminals as the pioneering projects. The lorry terminals with integrated facilities such as warehouses, storage, workshops and commercial space that align with modern logistics practices will contribute to economic growth, improved supply chain management and the overall development of the logistics and transport sector.

Airport Expansion

Tuan Speaker, according to the International Transport Forum (OECD), one of the determinants of air connectivity is airport infrastructure. Investment in airport infrastructure not only improves air connectivity but also radiates positive effects throughout the economy. Job creation, increased trade and a boost in tourism are among the dividends that can be reaped by nations that prioritise the development of this gateway.

For the information of this august House, an airport optimisation plan has been conducted and revealed that Kuching International Airport and Miri Airport have surpassed their capacities of 5 Million Passengers Per Annum (MPPA) and 2 Million Passengers Per Annum (MPPA), respectively, in 2019.

In this regard, upgrading the terminals is required to resolve current operational issues and congestion in certain areas and also to cater for future passenger growth whilst capitalising on new opportunities to spur economic growth in Kuching and Miri.

Sarawak's Short Take Off and Landing Ports (STOLports) also require immediate action to address safety, cleanliness and facility concerns. These STOLports need to be revamped to enhance the overall passenger experience and ensure the long-term sustainability of these rural transport hubs.

Thus, it is timely to upgrade these airports, including STOLports, and we seek the Federal Government's approval for funding in the 5th Rolling Plan of the 12th Malaysia Plan.

Acquisition of MASwings

Tuan Speaker, Sarawak Government is taking significant strides in improving air connectivity with the acquisition of MASwings. I have led the taskforce created for this purpose and had engaged with the Ministry of Transport Malaysia, Khazanah Nasional Berhad and Malaysia Aviation Group. This has led to the signing of two Memorandum of Understanding (MOU), namely:

- (a) MOU signing between the Sarawak Government and Federal Government on the 20th July 2023 regarding the Taking Over of Rural Air Services (RAS) by the Sarawak Government. This agreement ensures that the RAS subsidy will continue after the takeover; and
- (b) MOU signing between the Sarawak Government, Hornbill Skyways Sdn. Bhd. and Malaysia Aviation Group was held on 27th October 2023 on the acquisition of MASwings Sdn. Bhd. shares. Sarawak Government is currently conducting due diligence and further negotiation with Malaysia Aviation Group and Khazanah Nasional Berhad on the actual acquisition of the MASwings shares.

We firmly believe that the acquisition of MASwings is a strategic move to significantly enhance air connectivity within Sarawak and Sabah, fostering stronger ties with neighbouring regions and Asian countries. We anticipate that this acquisition and operation will play a key role in bridging the air connectivity gap, facilitate trade and investment, unlock Sarawak's tourism potential, attract human capital and generate a multiplier effect to boost Sarawak's economy.

Tuan Speaker, as we navigate the dynamic landscape of Sarawak's development characterised by key projects and initiatives in the transport sector, our journey towards a sustainable and robust future is well underway.

To ensure the success of these endeavours, my Ministry is committed to implement strategies on policies, development, implementation, operation and development of a skilled workforce to cater for the unique needs of Sarawak.

Through concerted efforts with all relevant agencies, private entities and international partnerships, we aim to shape a transport sector that not only meets the immediate needs of Sarawak but also aligns with global sustainability standards. This will contribute significantly to the PCDS 2030 aspiration to foster economic growth, social inclusivity and environmental sustainability, propelling Sarawak into the future characterised by connectivity, efficiency and prosperity.

LAND TRANSPORT AND LOGISTIC SECTOR

Progress of Kuching Urban Transportation System

Tuan Speaker, I am pleased to provide this august House with the latest developments of the Kuching Urban Transportation System (KUTS), with a particular emphasis on the Autonomous Rapid Transit (ART) project.

As of October 2023, the overall actual progress of KUTS Phase 1 stands at 14.43%. The capital expenditure has reached RM403.43 million, reflecting the financial commitment to advancing this transformative project. The groundwork for the Rembus Depot as the central hub for the ART system's operations and administration is ongoing. To date, the progress stands at 33.54% and it is scheduled to complete in the first quarter of 2024.

Tuan Speaker, several other tenders for KUTS Phase 1 project are at various stages. The tender for Rembus Depot and Associated Works was closed in September this year. The scope of works encompassed mechanical and infrastructure workshops, administration and operation control centre as well as a stabling yard. Subsequently, the tender for Red Line Package 1, including the

scope of works for ART lane, stations, systems and utility works from Kuching Sentral to Pending was closed on October 2023.

In addition, the Blue Line Package 1 from Rembus to Stutong incorporating the Sg Kuap Bridge was awarded to Ibraco Construction Sdn Bhd, China Railway Engineering Corporation (M) Sdn Bhd and Nanyang Tunnel Engineering Sdn Bhd Joint Venture on 10th November 2023 with a contract sum amounting to RM 568.61 million.

Progress and Performance of Autonomous Rapid Transit Project and Proof-of-Concept

Tuan Speaker, a significant milestone was achieved on 4th August 2023 when the Prototype Hydrogen ART vehicle arrived in Kuching, marking a crucial step in the project's timeline. Subsequently, the Prototype ART Hydrogen vehicle underwent a successful two month engineering run at Isthmus in September and October this year. Throughout the engineering run stages, the Prototype ART vehicle has covered a total distance of 5,407 kilometres encompassing both its Stage 1 Engineering Run in China and Stage 2 at Isthmus.

The Engineering Run was inaugurated on 6th September by the Right Honourable Premier at Isthmus, Kuching and has since provided trial rides to more than 80 groups of over 2,000 riders, comprising Ministers and senior officers from both the Federal and Sarawak governments, including the Second Deputy Finance Minister, MITI Deputy Minister, both from the Federal Government, EU Ambassador, Penang's Chief Minister and delegation; and Selangor's Executive Councillor and delegation; as well as stakeholders from the private sector and non-governmental organisations. This inclusive approach ensured that diverse perspectives are contributed to the evaluation process.

This trial phase fulfilled its objective of gathering the necessary data especially for evaluating the ART vehicle's movement guidance system and the hydrogen fuel cell propulsion system. The acquired data is a crucial input for the ongoing design phase of the ART vehicle before it progresses to the mass production stage.

The Engineering Run at Isthmus concluded on 5th November, following which the prototype ART vehicle, along with all associated equipment and inventory, was mobilised to Samarahan on 17th November for the continuation of the Proof-of-Concept (POC) exercise.

The Proof-of-Concept or POC exercise commenced on 20th November on the dedicated 2.6 kilometre stretch of lane along the Kuching-Samarahan Expressway. This exercise provides an opportunity to assess the viability of the system in an actual operational environment as it simulates the testing conditions for the future of ART dedicated double lane under the KUTS project's Blue Line and Transit Signal Priority (TSP) at the junction.

The POC Exercise is expected to conclude by the end of this year. At the same time, the following tasks will be initiated:

- (a) Commencement of works on Blue Line Package 1 from Rembus to Riveria starting on 1st December 2023;
- (b) Commencement of works on Red Line from Kuching Sentral to Pending in Q1 2024;
- (c) Green Line Infrastructure package is currently at design stage and work is expected to commence by Q3 2024;
- (d) The procurement of 55 feeder buses is targeted for re-tender in Q1 2024;
- (e) The Hydrogen Production Plant within Rembus Depot is targeted to tender in Q1 2024; and
- (f) The Feeder Bus Depot in Rembus Depot with the targeted tender by Q2 2024.

Performance of Hydrogen Bus Trial Operation

Tuan Speaker, the hydrogen bus trial operation has continued its commencement in September 2020. As of October 2023, the three units of buses have recorded a total of 46,374

passengers. The average monthly ridership for 2023 has notably surged to 1,832 passengers, marking a 38% increase from the previous year's average of 1,331 passengers per month. The increase is attributed to rising public awareness and active participation in special events, signifying the positive impact of these buses on local transport.

Public Transport and Urban Traffic Management

Tuan Speaker, my Ministry will continue to execute its mandated role in managing public transport and urban traffic by identifying and finding appropriate solutions on public transport issues. Collaboration of all parties including grassroot leaders is critical and vital to create an effective and efficient transport system in Sarawak particularly in addressing traffic congestion in urban areas and transport services in the rural areas.

Sarawak Road Safety Council

Tuan Speaker, the Sarawak Road Safety Council under my Ministry prioritises road safety as there is an imperative need for heightened awareness in Sarawak. Road accidents in Sarawak are indeed alarming. Based on the Royal Malaysia Police Department (PDRM) report presented during the *Program Kolokium Penguatkuasaan Keselamatan Jalan Raya Tahun 2023* which was held on 20th November, Sarawak has recorded a total of 17,699 road accidents between January until October 2023. Out of these 17,699 road accidents, 301 are fatal accident cases with 349 deaths and 122 serious accidents. These figures contribute to the total of 495,698 reported accidents in Malaysia for the same period.

There are 27,793 cases of road accidents in 2022 compared to 20,788 cases in 2021 which shows an increase of 33.6%. Based on these statistics, motorcar vehicles recorded the highest number and accounts for more than half of the total number of cases, followed by four-wheel drive vehicles and motorcycles.

Therefore, continuous education and awareness campaigns as well as enforcement activities are critical road safety strategies to reduce accidents on the road. In this regard, my Ministry through the Council and collaboration with various stakeholders are implementing various awareness programmes and initiatives to increase public awareness on road safety. This includes the upgrading of the existing traffic gardens and the revival of traffic games.

Transport Awareness Behavioural Change (T-ABC) Programme

Tuan Speaker, in addition to road safety programmes, my Ministry is also addressing the traffic situation in school areas. This is part of the Road Safety Strategy that by educating the young children, they may influence their parents to be more responsible whenever they are on the road.

This year, my Ministry with the Resident Office have organised the Transport-Awareness Behavioural Change (T-ABC) Programme in Miri and Kuching division.

The programme targets young school children, parents and teachers with the objective to address road user's behaviour and improve road safety. The same programme will be held in Sri Aman division tentatively in December this year.

Recognising the media's influential role, we will continue and strengthen our collaboration with the media, enforcement departments and agencies to further educate the public on road safety.

Performance of RM1.00 Flat Rate Bus Fare Subsidy Programme

Tuan Speaker, since the implementation of this programme in May 2020, the ridership has increased from approximately 200,000 ridership per month in 2020 to an average of 350,000

ridership per month in 2023. This indicates a good response from the *rakyat* to use public bus transport for their daily commute particularly the B40 Group.

One of the positive impacts of this programme is that the number of stage buses operating in Sarawak has increased by 15%, from 107 buses in 2020 to 124 buses in 2023. With more buses on the road, commuters can expect shorter waiting times and more frequencies, making public transport a more reliable, convenient and attractive option.

In this regard, my Ministry is currently reviewing the implementation of the RM1.00 bus fare subsidy due to the increase in operating cost and expenditure of the programme. Therefore, this programme will be evaluated and a more effective model will be introduced for the *rakyat*.

Free School Bus Programme

Tuan Speaker, the implementation of the Free School Bus Programme which was introduced in July 2020 has benefitted students under the B40 group. It was recorded as of 31st October 2023 that a total of 6,334 students in 56 schools 23 in Kuching, six in Sibu and 27 in Miri Divisions participated in this programme.

The introduction of the digitalised electronic card, “*My Yayasan System*” in Kuching and Miri division this year has helped Yayasan Sarawak to track the actual number of students under the B40 group in this programme.

Implementation of Smart Traffic Lights

Tuan Speaker, one of the key initiatives to reshape our urban traffic management is by implementing the smart traffic lights using the Sydney Coordinated Adaptive Traffic System (SCATS) to significantly enhance transport efficiency and safety within the city.

The intelligent traffic lights are powered by real-time data and Artificial Intelligence (AI) allowing adaptive signal timing that reduces congestion, travel times and increases overall safety. Collaboration with city councils, transport agencies and law enforcement is fundamental to the success of this endeavour.

We are taking a phased approach, starting with selected junctions, ensuring a seamless integration that would not disrupt current traffic patterns. Presently, Sarawak boasts 164 SCATS traffic lights, with varying numbers managed by the Public Works Department (JKR) and the city councils such as Kuching North (DBKU) and Kuching South (MBKS) City Councils. Our plan is to expand this technology to cover more intersections, promising further improvements in traffic flow and safety.

Tuan Speaker, my Ministry remains committed to enhancing urban mobility to better serve the needs of the *rakyat*. This includes the ongoing improvement of public stage bus services as well as the accessibility and affordability of public transport for all income groups. Hence, my Ministry will continue to collaborate with all relevant agencies in the planning and development of Sarawak's transport sector to realise its transformational initiatives.

RIVERINE AND MARITIME TRANSPORT SECTOR

Performance of Riverine and Maritime Transport Sector

Tuan Speaker, let me highlight the progress and performance of the Maritime and Riverine Sector. My Ministry, through Sarawak Rivers Board and Sarawak Buoys and Lights Board is committed to stimulate river economy by upgrading various Aids to Navigations (AtoNs), and improving riverine infrastructures and landing facilities along our rivers. This initiative is aimed towards enhancing navigational safety and river transportation particularly for bulk goods.

Given Sarawak's strategic location on the Northern shore of Borneo Island, situated on the east-west and south bound sea routes, we are determined to capitalise on this advantage to strengthen our economic growth through increased commerce along the sea routes.

Sarawak Rivers Board

Tuan Speaker, now, I would like to enlighten this august House on the key focus area and performance of Sarawak Rivers Board (SRB), an agency under the purview of my Ministry. As of October 2023, Sarawak Rivers Board has processed and approved 203 applications of permits consisting of 23 pipeline and cable laying, 31 water sports activities, 82 building of wharves, jetties and bridges, 43 riverbank reserve, 19 aquaculture and five applications for sand/ gravels extraction.

In ensuring river safety, Sarawak Rivers Board (SRB) is continuously carrying out river patrols in the 36 gazetted rivers to ensure river users comply with the rules and riverine good practice. To date, SRB has conducted 895 river patrols, 138 enforcement operations, 837 vessels and 181 premises inspections. A total of 34 compounds were issued.

River Safety and Cleanliness Campaign

Tuan Speaker, Sarawak Rivers Board is also carrying out regular River Safety and Cleanliness Campaigns with communities residing along rivers. During this campaign, agencies such as BOMBA, Medical Department, Natural Resources and Environment Board (NREB) and Department of Agriculture are invited to participate.

Recognising the importance of preserving our rivers, Sarawak Rivers Board consistently organises community programmes to clean-up rivers for safer navigation, recreational purposes and also ecological conservation.

This campaign plays a crucial role in raising awareness among local communities about the importance of keeping our rivers clean and safe. The programme instils the value of "*I Love My River*" in all communities in Sarawak and fosters a commitment to preserve rivers, particularly in areas with tourism potential. For this year, SRB has conducted 27 River Safety and Cleanliness Campaign programmes at various locations throughout Sarawak.

One such programme was held for over two days from 22nd to 23rd September in Mulu. The programme was organised in collaboration with the Marine Department Sarawak Region and an insurance company and it was attended by 84 tourist boat operators. During the programme, the boatmen and boat operators were briefed and reminded to adhere strictly to safety rules, regulations and procedures before embarking on any journey on the river. A strong emphasis was also placed on ensuring passenger safety, making it mandatory for all individuals travelling on the river to wear life jackets. Additionally, the programme facilitated the processing and approval of 19 River Transport Permits (RTP) and the renewal of 37 RTP.

Sarawak Buoys and Lights Board

Tuan Speaker, the Sarawak Buoys and Lights Board (SBLB), another agency under the purview of my Ministry, is responsible for the safety of navigation in Sarawak waters. For the information of this august House, the Sarawak Buoys and Lights Board is a member of the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA).

Since 1995, the Sarawak Buoys and Lights Board has constructed and maintained seven lighthouses, 45 light beacons and 72 units of marker buoys. These Aids to Navigations (AtoNs) adhere to MS ISO 9000 standards by Lloyd's Registration, with compliance rates of the lighthouses at 99%, light beacons at 98% and marker buoys at 97% as per IALA Standards.

The Board is continuously upgrading the AtoNs in line with the latest technology to enhance shipping safety. This is important to further improve the shipping and maritime industries in Sarawak.

Tuan Speaker, the performance of Riverine and Maritime Sector is satisfactory with minimal accidents and no fatalities from boat accidents. There is a notable improvement of river cleanliness from human-induced pollution. Furthermore, the understanding and responsibility of local communities regarding the safety and cleanliness of rivers have also improved.

AIR CONNECTIVITY AND AVIATION INDUSTRY

Performance of Sarawak Aviation Industry

Tuan Speaker, allow me to provide an update on the aviation sector. For the information of this august House, the total number of aircraft and passengers' movement to all airports and STOLports in Sarawak from January until the third quarter of this year, are 97,129 aircraft movements carrying 7.8 million passengers. The flights are mainly from Kuala Lumpur, Kota Kinabalu, Johor Bahru, Penang, Kota Bharu, Labuan, Bandar Sri Begawan, Jakarta and Singapore.

For the same period, a total of 41,890 tonnes of cargo was transported. This cargo includes electrical and electronic goods, oil and gas equipment, e-commerce goods, dangerous goods which include flammable materials, perishable goods such as fruits and fresh flowers, and general cargo such as fabrics and clothing.

Malaysia Domestic Flights

For Malaysia domestic flights, after the suspension of MYAirlines operation on 12th October 2023, Sarawak received an average of 372 flights weekly from Kuala Lumpur, Kota Kinabalu, Johor Bahru, Penang, Kota Bharu and Labuan. The routes are now served by five airlines, namely Malaysia Airlines, AirAsia, Batik Air, Firefly and MASwings.

Kuching International Airport received the most flight frequency which is 183 flights weekly, followed by Miri Airport with 89 flights, Sibu Airport - 49 flights, Bintulu Airport - 32 flights, Mulu – seven flights, Lawas – two flights and Limbang with three flights respectively.

Flights within Sarawak

For Sarawak domestic flights, there are 624 flights weekly connecting Sarawak major cities, towns and rural settlements under Rural Air Service (RAS). Miri Airport handles the highest number with 189 flights weekly, followed by Kuching Airport with 144 flights, Sibu Airport - 63 flights, Bintulu Airport with 40 flights and the rest to smaller airports and STOLports respectively. The flight operations are operated by AirAsia, Firefly and MASwings.

International Flights

Tuan Speaker, as at November 2023, the international flights to Sarawak are recorded at 40 flights weekly; mostly from Singapore with 35 flights weekly, three flights weekly from Jakarta, Indonesia and two flights weekly from Negara Brunei Darussalam. Kuching International Airport receives 31 flights weekly, followed by Miri Airport with six flights and Sibu Airport with three flights respectively. The routes were served by AirAsia Berhad, AirAsia Indonesia, Malaysia Airlines Berhad, Scoot Tiger Airways and Royal Brunei Airlines.

For the information of this august House, AirAsia is set to suspend its flights for Singapore-Miri and Singapore-Sibu routes from February 2024, citing operational strategies. I have personally discussed this matter with the AirAsia management team, urging them to reconsider their decision or, alternatively, to reduce the frequency of these routes to meet the required load capacity; As of now, we await for concrete feedback from the management team.

On the other hand, I have also discussed with the management team of Singapore Airlines and Scoot Airlines in September, to increase Scoot Airlines frequency from Singapore to Kuching and Miri. During the discussion, Scoot Airlines had also agreed in principle to operate the route from Singapore to Sibul, tentatively planned to commence after the delivery of their new aircraft in 2024.

Suspension of MYAirline Operations

Tuan Speaker, MYAirline Sdn. Bhd. has ceased its six flights daily operation to Sarawak from Kuala Lumpur since 12th October 2023. We are indeed very disappointed with MyAirline's abrupt decision to suspend their flight operations. This has caused a great deal of inconvenience and unhappiness among passengers who have purchased their air tickets in advance until March 2024. It was estimated that approximately 24,260 passengers, inbound and outbound of Sarawak, were affected by the suspension. My Ministry deems it irresponsible of MYAirline management for failing to provide prior notice regarding the suspension.

My Ministry applauds the support and good works of The Malaysian Aviation Commission (MAVCOM), MAHB and all the airlines namely Malaysia Airlines, Airasia and Batik Air for their cooperation, assistance and caring spirit given to all the affected passengers. MAVCOM has also assured that all necessary efforts and assistance will be provided to the affected passengers.

Among the assistance given were:

- (a) All affected passengers may change their flights to the other airlines that are offering discounted airfares;
- (b) MAHB has deployed its resources at relevant airports within its network to extend all possible assistance to the stranded passengers;
- (c) MAVCOM has set up the commission's consumer hotline at 1800-18-6966 (within Malaysia) or by email at consumer@mavcom.my or enquiries@flysmart.my.

On the refund of airfares, all affected passengers are requested to contact MYAirline customer care service at customercare@myairline.my to initiate the refund process and at the same time, submit their enquiries or file their complaints to MAVCOM Consumer Hotline.

Aviation Safety Awareness Campaign

Tuan Speaker, the Ministry of Transport Sarawak in collaboration with the aviation stakeholders namely, Malaysia Airport Sdn Bhd, the Ministry of Transport Malaysia, MASwings and the Civil Aviation Authority Malaysia, have organised the "Aviation Safety Awareness Campaign" in Mulu Airport on 22nd and 23rd September 2023. The event was attended by an estimated 200 participants from the local community.

The objective of the awareness programme was to educate the local community on flight safety procedures. This is to ensure that the community members well-informed about the essential safety measures within and around the airport vicinity.

Additional Flights during Festive Seasons

Tuan Speaker, my Ministry is fully aware of the demand for air travel during festive seasons and school holidays. In this regard, my Ministry is working closely with the Ministry of Transport Malaysia, MAVCOM, MAHB and the airlines to ensure that flights and seats at reasonable prices are available to various destinations before, during and after the festive season.

While the airlines are offering extra flights and reasonable airfares, my Ministry would like to encourage travellers to plan their journeys ahead and book their flights early. This is to mitigate any

potential shortcomings at an early stage and ensure that everyone has the opportunity to fly home and celebrate the joyous festival with their loved ones.

Airfare, Flight Rescheduling and Cancellation

Tuan Speaker, globally, airfares are determined by dynamic pricing mechanisms that are based on demand and market conditions. Thus, the increase in airfares are unavoidable. Meanwhile, flight rescheduling and cancellations are mostly due to unforeseen technical and operational issues, as well as bad weather conditions.

I would like to inform that most complaints on flight rescheduling and refunds are handled directly by the airlines with the assistance from MAVCOM under the Malaysian Aviation Consumer Protection Code (MCPC). If passengers remain dissatisfied with the airline's response, they have the option to escalate their complaints to MAVCOM through the MAVCOM website or www.flysmart.my.

STRENGTHENING SARAWAK'S TRANSPORT SECTOR

Sarawak Transport Conference, 6th September 2023

Tuan Speaker, in an effort to advance the transport sector in Sarawak, fostering knowledge and understanding is important. Recognising this, my Ministry organised the inaugural Sarawak Transport Conference 2023 with the theme "*Transport Sector accelerating tourism, trade and investment in Brunei Darussalam – Indonesia – Malaysia – Philippines East ASEAN Growth Area (BIMP-EAGA) Region*". This event was attended by approximately 500 participants from government agencies and transport stakeholders in the BIMP-EAGA region.

This conference featured distinguished experts and speakers who presented 12 papers on sustainable transport and mobility, enhancing regional connectivity, trade and investment facilitation as well as tourism development and connectivity.

The platform provided valuable exposure and knowledge to the delegates. The discussion also highlighted the crucial role of the transport sector as an enabler for economic growth and social inclusivity whilst imparting insights on the significance of transport planning and development.

Regional Cooperation: 10th Brunei Darussalam–Indonesia–Malaysia–Philippines East ASEAN Growth Area (BIMP-EAGA) Transport Cluster Meeting, 7th - 8th September 2023

Tuan Speaker, the Sarawak Government represented by my Ministry had the honour to host the 10th BIMP-EAGA Transport Cluster meeting in Kuching from 7th to 8th September 2023. The meeting was attended by senior government officials, BIMP-EAGA Business Councils and the private sector from each country. My Ministry is also tasked as the Head of Delegation for the Malaysian Government. In the meeting, pertinent key regional transport issues were discussed under the three Working Groups namely, Land Transport Working Group, Sea Linkages Working Group and Air Linkages Working Group.

The notable recommendations made by the Working Groups and agreed by the Transport Cluster Meeting are as follows:

- (a) The member countries of the Land Transport Working Group agreed that each member country will form a Task Force to review the MoUs, namely, the Cross-border Movement of Commercial Buses and Coaches, signed on 2nd November 2007; and Transit and Inter-state of Goods, signed on 25th June 2009. This is to ensure the MoUs are updated as per the ASEAN Framework and the current post COVID-19 rules and regulations enforced by the member countries.

- (b) In addition, member countries of the Sea Linkages Working Group also agreed to review the policies, legislation and MoU on Establishing and Promoting Efficient and Integrated Sea Linkages, signed on 2nd November 2007. The Working Group also agreed with Malaysia that the operation of the Non-Convention Sized Ship (NCS) within the waters of BIMP-EAGA needs further discussion to harmonise the required specific technical standard that concerned the member countries. A task force will be formed for these purposes.
- (c) Malaysia also highlighted in the Air Linkages Working Group that the BIMP-EAGA routes connecting Sarawak, Malaysia and Pontianak, West Kalimantan, Indonesia have been suspended since March 2022. In the meeting, Malaysia has proposed to the Indonesia Government to resume operation of the Supadio International Airport in Pontianak, West Kalimantan, Indonesia and expressed AirAsia Malaysia's readiness to resume Kuching-Pontianak operations. The representative of the Indonesian Government informed that the airport is scheduled to start operation for international flight in 2024.
- (d) Additionally, Malaysia recommended exploring a collaborative effort between the Tourism Cluster and airlines to jointly promote and market intra-BIMP-EAGA tourist movements, aiming to boost tourism and the regional economy.

Malaysia through the Ministry of Economy as the BIMP-EAGA National Secretariat for Malaysia raised the same recommendation to the Ministerial Meeting's intervention which was held in Negara Brunei Darussalam on 26th October 2023.

**RESPONSE TO SPECIFIC ISSUES RAISED
BY HONOURABLE MEMBERS OF THIS AUGUST HOUSE**

Tuan Speaker, the Honourable Member for Pending, Tuan Speaker, I would like to refer to the Honourable Member for Pending for her concern on the Autonomous Rapid Transit (ART).

Before I begin, I would like to inform this august House that I would give a detailed explanation of Autonomous Rapid Transit (ART), I hope the Honourable Member for Pending will cooperate and listen attentively to get the facts right.

For the information of this august House, the ART is a component of the Kuching Urban Transportation System (KUTS) project. KUTS Project is a transformative initiative aimed at enhancing public transport in the city and its surrounding areas.

In line with Sarawak's commitment to environmental sustainability and the global target to adopt green technology, the hydrogen-powered Autonomous Rapid Transit (ART) was chosen to be the backbone of this game-changing project using state-of-the-art technology with competitive costs compared to the other urban rail transit projects.

Tuan Speaker, the KUTS project consists of multiple packaged tenders for its various components, such as studies, designs, engineering, construction, manufacturing, supply, delivery, assembly, testing and commissioning.

Phase 1 of the KUTS project involves ART's approximately 69.9 kilometres route that consists of three lines and 31 stations with one interchange station between the blue and red line. The Blue Line is about 27.6 kilometres in length with 14 stations from Rembus to the Hikmah Exchange area. The Red Line is about 12.3 kilometres in length with seven stations from Kuching Sentral to Pending and the Green Line is about 30 kilometres in length with five stations from Pending to Damai Central. The dedicated lanes for the ART will consist of approximately 80% at grade (road level) and 20% elevated, including bridges, ART Stations, utility relocations, road widening and land acquisition. The component of the project consists of:

- (a) Infrastructure Works Covering two Depots; (Rembus – heavy maintenance depot and Sungai Batu – light maintenance depot). Facilities for the Depots consist of Administration and Operation Control Centre Building, Mechanical Workshop, Infrastructure Workshop, Stabling yard, Test yard, Wash-plant, Mechanical and Electrical Building and Hydrogen Refuelling station;
- (b) System Works consists of 10 systems namely 38 units of Hydrogen Vehicles, Automated Platform Gates (APG), Signalling and Control System (S&CS) including Transit Signal Priority (TSP), Depot Equipment Maintenance Vehicle (DEMV), Supervisory Control and Data Acquisition (SCADA), Communication, Automatic Fare Collection (AFC), Information Technology System (ITS), Operation Control Centre (OCC) and Computerised Maintenance Management System (CMMS); and
- (c) Feeder bus depot at Rembus consisting of Administration Building, Engineering Block, Stabling yard, Depot Equipment for bus maintenance, Hydrogen Refuelling Station, 55 Hydrogen Buses and Bus Information System (BIS).

For the information of this august House, the procurement of the ART hydrogen vehicles is a complex process, unlike typical purchases such as purchasing a car or buying groceries at the supermarket. The project implementation and management involve proper planning, design, procurement and scheduling of each technical aspect of the ART vehicle, to ensure that the various components' contracts are properly integrated with the completion target date.

The advance procurement strategy of the ART hydrogen vehicle is based on international tender exercise. In 2021, an International Pre-Qualification was conducted by Sarawak Metro and the tender was advertised on Sarawak Metro's website, local newspapers and international journals. This was carried out following the best practices to optimise costs and secure a stable supply of the ART hydrogen vehicles, which is specially designed for the KUTS project.

The manufacturing of these ART vehicles will be carried out progressively and delivered in stages, according to the project timeline, with the first batch expected in the 3rd quarter of 2024. The expected scheduled delivery of ART vehicles will be about two units between one to two months per shipment subject to shipment schedule, local final assembly, testing and commissioning. Therefore, not all 38 units will be shipped at one time. It is imperative to award the ART hydrogen vehicles now to established design integration with other ART systems and civil infrastructure related to the hydrogen vehicle. All this goes to show that the Honourable Member for Pending is ignorant when she questions the award of the procurement of the rolling stock before completing the infrastructure.

Furthermore, I would like to highlight that the procurement and overall tender and evaluation processes involve multiple stages. The processes adhere strictly to transparent and integrity driven governance. Therefore, tenderers are required to meet strict technical and financial pre-requisites to progress to the subsequent commercial evaluation phase. Only those meeting these criteria will undergo an assessment of their commercial proposals, with the final selection based on commercial pricing.

KUTS Phase 1 Project

Tuan Speaker, the KUTS Phase 1 project's approximate cost per kilometre is RM80 million, covering a total length of 69.9 kilometres, which includes land acquisition costs, ART hydrogen vehicles, feeder buses, infrastructures and depot, etc. Comparatively, the latest LRT project, LRT3 in Kuala Lumpur, has significantly higher cost per kilometers. The LRT3 project with a length of 37.6 kilometres in Kuala Lumpur costs RM20 billion, which is approximately RM540 million per kilometre. Therefore, in comparison, this would mean that the ART's per kilometer cost is approximately one-sixth of the price of the LRT3 project in Kuala Lumpur that commenced in 2017.

The ART vehicle, procured in the System Package 1 contract was awarded to EPR Mobilus GR Joint Venture Sdn. Bhd. RM1.425 billion which involves the design, engineering, procurement, manufacture, assembly, supply, delivery, installation, testing and commissioning and handover of hydrogen vehicles, depot and equipment and maintenance vehicle, automatic platform gates and signalling and control system. Therefore, it is clear that the tender is a package, not a single item. The tenderer meets all the technical and financial criteria, and it is the lowest tender.

Tuan Speaker, I would like to give assurance that stringent monitoring procedures have been implemented to ensure that the project stays within the approved budget. As of today, the current awarded packages are within the estimated project budget. My Ministry is overseeing this project to ensure that all procurement activities align with Sarawak Government's Project Procurement Policy (PPP). Additionally, my Ministry also prioritises overall cost-saving measures through sound project management.

I would also like to inform that it is not relevant to compare the pricing of ART hydrogen vehicles and ART electric vehicles as they use different technologies and energy sources with its own unique characteristics.

ART Electric Vehicle

Tuan Speaker, I would like to enlighten this august House on the difference between ART electric vehicle and ART hydrogen vehicle. For the comparison of distance, electric vehicle's total distance coverage is 70 kilometres at full charge, whereas the full tank hydrogen fuel cell vehicle can travel up to 240 kilometres.

The ART electric vehicle is powered by lithium batteries. Rechargeable lithium batteries have a limited lifespan and will gradually lose their capacity to hold a charge. This loss of capacity or aging is irreversible. As the battery loses capacity, the length of time it takes to power the product run time decreases. Furthermore, the improper disposal of lithium batteries can have severe implications to the natural environment.

It can be noted that the recycling of the EV batteries is a less cost-effective and not environmentally sustainable option compared to hydrogen fuel cells. The limitation of battery technology in electric vehicles also affects the electric vehicle's capability of travelling long distances. On the other hand, hydrogen as a fuel source offers higher energy density, providing longer range and quicker refuelling times.

Adoption of Hydrogen Energy

Tuan Speaker, the worldwide interest in green hydrogen is expanding rapidly. There is a global shift towards hydrogen adoption, driven by a commitment to combat environmental issues and the increasing emphasis on sustainable solutions. In land transport, for example, China is actively promoting hydrogen-powered vehicles, signalling a move away from subsidies for electric vehicles.

In the aviation sector, hydrogen is gaining recognition as a promising zero-emission technology for future aircrafts. Industry leaders such as Boeing and Airbus are investing in hydrogen propulsion technology, with Airbus planning to launch its first commercial hydrogen-powered aircraft by 2035.

In the marine industry; the shipping sector, which is known for significant emissions, is actively exploring hydrogen-powered vessels. Companies globally, including Compagnie Maritime Belge in Belgium, Ulstein in Norway and Compagnie Fluviale de Transport (CFT) in France, are developing hydrogen-powered ferries, tugboats and cargo vessels.

The KUTS project, featuring hydrogen-powered Autonomous Rapid Transit (ART) vehicles, is seamlessly aligned with Sarawak's hydrogen agenda. This showcases Sarawak's commitment with global endeavours for sustainable and environmentally friendly transport solutions. Furthermore,

based on the working paper by World Energy Council, the cost of production in 2030 is expected to go down and to reach USD2 to USD6 per kilogram and USD1 per kilogram or lower by the year 2050 due to reducing renewable electricity costs and hydrogen technologies following technology improvements and economies of scale.

In the case of Sarawak, we are fortunate to have access to renewable energy resources, especially hydropower, which will be harnessed to power the hydrogen electrolysis plant. Furthermore, our electricity cost is also the cheapest in the region. Sarawak is at the forefront of the green hydrogen agenda, which is expanding in collaboration with investors from South Korea and Japan to develop two major green hydrogen production plants in Bintulu.

Tuan Speaker, one of the most significant returns on the investment in this project is the reduction in the environmental impact of public transportation through the usage of green hydrogen energy which subscribes with the United Nations sustainable development goal of reducing carbon emissions. It is also to improve the quality of life of the people living in Greater Kuching by improving and enhancing mobility through an environmentally sustainable system of public transportation.

Once fully completed, the KUTS project will create numerous intangible benefits and socio-economic spillover effects including greater job opportunities, more efficient mobility and urban rejuvenation which are among some of the key returns of the Sarawak Government investment in transforming the public transport system in Greater Kuching.

Tuan Speaker, having given all the facts on the processes and implementation of ART project, I hope the Honourable Member for Pending will have a good understanding of the subject matter and do not make assumptions and jump to serve conclusion which can mislead the public.

Tuan Speaker, for the information of the Honourable Member for Bukit Assek, my Ministry has commissioned the Sarawak Integrated Transport Master Plan study which is expected to be completed in 2024. One of the focuses of this study includes the analysis on traffic management related issues such as traffic congestion. The study will also carry out demand forecasting and the analysis of trip generation, vehicle ownership, trip distribution and the overall traffic flow of Sibu.

Tuan Speaker, the Honourable Member for Katibas. For the information of the Honourable Member for Katibas, on the issue of bus terminal and longboat terminal in Katibas, my Ministry is planning to do a preliminary survey on the needs to construct an integrated bus and longboat terminal. My Ministry will bid for funds for this project in the 13th Malaysia Plan.

STRENGTHENING OF MINISTRY OF TRANSPORT, SARAWAK (MOTS)

Tuan Speaker, my Ministry is committed to ensure the transport sector development, particularly public transport, is in tandem with Sarawak's aspiration to achieve a developed status by 2030, where the people enjoy economic prosperity, social inclusivity and sustainable environment.

Laying the Foundation

Tuan Speaker, being one of the enablers of the six economic sectors anchoring the PCDS 2030, my Ministry is progressing considerably well in laying all the necessary foundations for economic growth and development such as governance and planning processes, exploring potential public private partnership opportunities as well as identifying supportive regulatory framework for the development of the transport sector in Sarawak.

Review of Policy and Procedures

Tuan Speaker, in view of this, my Ministry needs to strengthen its mandate and authority as a transport planning authority in Sarawak with the international, Federal and local institutions. Hence,

my Ministry will continue to work closely with the Sarawak Attorney General's Office to review existing rules and regulations pertaining to transport matters in Sarawak. This strategic engagement is aimed to identify issues, solutions as well as to reduce legal gaps between Ministry of Transport, Sarawak (MOTS) and the Ministry of Transport, Malaysia (MOT), including other Federal Government departments and agencies.

Digital Exhibition in conjunction with the 60 Years Sarawak Merdeka Anniversary Celebration

Tuan Speaker, the Digital Exhibition held in 12 locations throughout Sarawak in conjunction with the 60th year Sarawak Merdeka Anniversary Celebration from 26th May 2023 until 22nd July 2023 had provided an opportunity for my Ministry to promote and showcase its roles and functions to the *rakyat* and industry players. The event is also used to gauge the *rakyat*'s perception and expectation on the Sarawak public transport services as well as their awareness and knowledge of road and river safety. Their feedback is valuable as it enables my Ministry to make informed decisions and necessary adjustments toward our plan and strategies to meet our *rakyat*'s needs and expectations.

Ministry of Transport, Sarawak (MOTS) Strategic Planning and Action Plan 2030

Tuan Speaker, my ministry has reviewed its Strategic Planning and Action Plan 2030 in March and September this year. This is to ensure that the Strategic Planning and Action Plan 2030 provide a clear direction for the success and sustainability of Ministry of Transport, Sarawak as well as achieving PCDS 2030 goals by optimising resources and adapting to change. This is to enhance decision making, teamwork and collaboration, reducing silos and promoting a unified organisational culture. The review also took into account feedback received from the *rakyat* through surveys conducted during the Digital Exhibition and Talikhidmat. The Action Plan will be measured by the implementation of the Ministry's Balanced Scorecard with effect from January 2024. The implementation of this strategic planning will further enhance our performance and service delivery to the *rakyat* and overall contribute actively to the realisation of PCDS 2030.

Talent Development Through Strategic Partnership

Tuan Speaker, the existence of the Ministry of Transport, Sarawak is now recognised internationally. Since January 2023, Ministry of Transport, Sarawak has been invited to participate in various transport and mobility seminars, conferences as well as training overseas.

The most notable conference attended by MOTS was the Public Transport Summit in Barcelona, Spain organised by the International Association of Public Transport (UITP) from 3rd until 9th June 2023. In the foregoing, the Permanent Secretary of MOTS was invited to attend the 22nd UITP Asia-Pacific Annual Meeting on 1st until 3rd November 2023 at Hong Kong and at the same time, presented a paper on Transport in Sarawak.

I am pleased to announce that Minister of Transport Sarawak is now a member of the International Association of Public Transport (UITP), a non-profit member-led organisation for public transport authorities, networks and operators, and policy decision-makers. It also includes scientific institutes and the public transport supply and service industry that work to advance sustainable urban mobility. The UITP Headquarters is in Brussels, Belgium. To-date, MOTS has presented six papers on Transport and Mobility in Sarawak, regionally and internationally.

Tuan Speaker, my Ministry is continuously searching for talent who can be trained on the subject of transport and mobility in compliance with sustainable development goals. Thus, MOTS has established its Human Resource Capacity Building Plan to ensure Ministry of Transport Sarawak human resource management and development plans meet its strategic goals and operational plans. Since January 2023, a number of officers in my Ministry have had the opportunity to attend various conferences, training and study trips internationally and locally.

My Ministry had the opportunity to dispatch three officers to undergo training programmes on Urban Planning and Public Transportation, and Railway Planning and Construction for South and Southeast Asian Countries in China fully sponsored by the Ministry of Commerce (MOFCOM), People's Republic of China. Another two officers attended the Urban Mobility Program for Foreign Public Officials and the Human Resource Development Program on Railway Policy and Safety Course, which were also fully sponsored by the Seoul Metropolitan Government and the Ministry of Land, Infrastructure and Transport, South Korea, respectively.

In addition, Ministry of Transport Sarawak had also sent officers to attend the 15th International Conference of the Eastern Asia Society for Transportation Studies, Women in Rail Malaysia Conference 2023, *Kolokium Penguatkuasaan Keselamatan Jalan Raya Tahun 2023* and many other transport related conferences in Kuala Lumpur and Putrajaya. These training and development programmes will not only enhance their knowledge and skills on transport and mobility but will also contribute to the overall strength, effectiveness, and efficiency of the Ministry. This will further strengthen Ministry of Transport Sarawak workforce competencies in dealing with the complex aspects of transportation issues in Sarawak while providing services to the *rakyat*.

CONCLUSION

Tuan Speaker, before I end my winding-up speech, I am pleased to reflect on my Ministry's transformative journey and express our vision for the state's transportation future. As we navigate the post COVID-19 challenges, strategic adaptation is crucial for progress. My Ministry at the forefront of efforts, has championed regional connectivity and sustainable development through initiatives like the Sarawak Integrated Transport Master Plan.

My Ministry is working to make travel better for everyone, whether by land, air, rivers, or seas. Rebuilding our economy and society after COVID-19 is not an easy task, but we are committed to it. Our plan, called the Sarawak Integrated Transport Master Plan, shows how we are working on making travel easier in Sarawak. The Post COVID-19 Development Strategy 2030 is our guide to making things better overall.

To conclude, I want to express my profound gratitude to my Deputies, Permanent Secretary and staff who have been my pillars of support for their commitment, dedication, and relentless pursuit to overcome challenges and transform the transport sector in Sarawak.

A special acknowledgement goes to all the agencies and stakeholders that have collaborated with my Ministry, especially MOT Malaysia and agencies under their purview including the Malaysian Aviation Commission (MAVCOM), Civil Aviation Authority of Malaysia (CAAM), Road Transport Department (JPJ) Sarawak, Sarawak Commercial Vehicle Licensing Board (CVLB), Royal Malaysia Police (PDRM) and Marine Department Sarawak. Additionally, our appreciation extends to Sarawak Rivers Board, Sarawak Buoys and Lights Board, Public Works Department Sarawak, Sarawak Road Safety Council, Sarawak Economic Development Corporation, Sarawak Metro, members of SPTC and SuTMAC including those at the Divisional level. I extend my heartfelt appreciation to Yang Berhormat Datuk Amar State Secretary, Yang Arif Datu State Attorney-General, and Yang Berbahagia Dato Sri State Financial Secretary for their continuous support.

Last but not least, I would also like to express my sincere appreciation to Tuan Speaker and the team for their dedication and efficiency in handling the proceedings of this august House and before I conclude, *saya ingin menurunkan 4 rangkap pantun*.

*Enam Dekad Bukannya Mudah,
Sarawak Kian Berubah Wajah,
ART Hampir Terlaksana Sudah,
Kini Airlines Membuka Langkah.*

*Membeli Durian Di Kota Padawan,
Untuk Dibawa Ke Pekan Siniawan,
Kementerian Pengangkutan Kini Tumpuan,
Sebagai Tonggak Meneraju Kemajuan.*

*Gua Niah Tiada Tandingan,
Tumpuan Pelancong Pelbagai Umur,
Kerajaan GPS Tiada Bandingan,
Melahirkan Sarawak yang Maju dan Makmur.*

*Buah Dabai Lemak Berisi,
Sekali Makan Pasti Nak Lagi,
Hujah Pembangkang Tiada Berisi,
Silalah Balik Belajar Lagi.*

Well Wishes – Merry Christmas & New Year & Chinese New Year

Tuan Speaker, akhir sekali, saya ingin mengambil kesempatan ini untuk mengucapkan Selamat Hari Krismas, Selamat Tahun Baharu 2024 dan Selamat Tahun Baharu Cina kepada semua Rakyat Sarawak yang akan menyambutnya. Semoga Sarawak terus maju makmur, kekal harmoni serta diberkati.

Tuan Speaker, I wish to express my full support for the Supply Bill, 2024. Thank you.

Timbalan Speaker: Thank you, Yang Berhormat Menteri Pengangkutan, Dato Sri Lee Kim Shin, for a very lengthy, profound, and comprehensive winding up. *Saya pun ada satu rangkap pantun. Eh dua. Empat rangkap pantun.*

*Dari Saratok pergi ke Sibu,
Singgah di Meradong membeli ragi,
Pagi esok kita bertemu,
Agar mesyuarat bersambung lagi.*

Yang Berhormat-Yang Berhormat sekalian, the Sitting is now adjourned and the House shall resume its Sitting at 9.00 a.m. tomorrow. Insya-ALLAH.

(Mesyuarat ditangguhkan pada pukul 5.08 petang)