
M.N.C. SAMARAWICKRAMA

E-mail : mnsam@ou.ac.lk
Telephone : +94-(0)33-2275432
+94-(0)777-423487, +94-(0)716-845715
Address : 152,
Hakurukumbura,
Mirigama, Sri Lanka.



Senior Lecturer in Civil Engineering and International Professional Engineer /Chartered Engineer with Twenty Two Years Experience in the Fields of Geotechnical Engineering, Mining, Mineral Processing and Engineering Academia

❖ Working Experience

THE OPEN UNIVERSITY OF SRI LANKA From 2008 March– Up to date

Senior Lecturer in Civil Engineering

- Working as a Senior Lecturer Grade I in the Department teaching, geotechnical and materials related subjects for undergraduate degree courses in the University for past eleven years. This includes the supervision of undergraduate projects and research activities in the same engineering disciplines.
- Head of the Department of Civil Engineering
2016 December– 2018 December

Independent Consultancy

- Consultant Geotechnical /Foundation Engineer for Investigation for Outer Circular Expressway -OCH-NSII- From Kerawalapitya to Kadawatha
Client- Asset Engineering (Pvt) Ltd, Metallurgical Corporation of China
(2014 Dec.-Up to date)
- Consultant Geotechnical /Foundation Engineer for Investigation for Central Expressway Project- Section I- Package II- From Mirigama to Kadawatha
Client- Asset Engineering (Pvt) Ltd, Metallurgical Corporation of China
(2016 June-Up to date)
- Consultant Geotechnical /Foundation Engineer for Investigation for Extension of Southern Highway from Matara to Hambantota, Phase I- From Matara to Kadawedduwa (From 0.00 km To 13.30km) Boreholes BH-260 to BH-290 of Section VI-From 20+170km to 29+540km (*Variation carrying out 33 Boreholes*)
Client- Road Development Authority (2013 May-2013 August)

- Consultant Geotechnical /Foundation Engineer for Investigation for Extension of Southern Highway from Matara to Hambantota, Phase I- From Matara to Kadawedduwa (From 0.00 km To 13.30km)Section III-From 4.50km to 6.87km
Client- Road Development Authority (2012 Sepetember-2013 March)
- Consultant Geotechnical /Foundation Engineer for the four main mobile telecom service providers (Dialog Telekom, Etisalat, Mobitel and Airtel) of Sri Lanka in constructing their Telecom Towers. (2008 January-up to date)
- Consultant Geotechnical /Foundation Engineer for preliminary investigations and ground improvement specialist for Tank Farm project for proposed new sea port at Hambantota-Sri Lanka.
Client- China's Huanqiu Contracting and Engineering Corporation.
- Consultant Geotechnical /Foundation Engineer for detailed investigations and foundation specialist for Tank Farm project for proposed new sea port at Hambantota-Sri Lanka.
Client- China's Huanqiu Contracting and Engineering Corporation.
- Consultant Geotechnical /Foundation Engineer for proposed new bridges at Ralkuli, Gangei, Upparu, Kanyankerni and Valachchanei of A15 road in eastern part of Sri Lanka
Client- China Harbour Corporation (China).

Neat Solutions (Pvt) Ltd.,

Geotechnical Engineer/ Engineering Manager

From 2004 August– 2008 March

Over Four years' experience in Civil (Geotechnical) Engineering Consultancy and was engaged as the Consultant Geotechnical/ Soil Engineer and the Engineering Manger of the Organisation. In addition was responsible for carrying out all the project management activities under taken by the company. Involved as the company Geotechnical Engineer in following major projects.

- Geotechnical Engineer for the Rehabilitation of Existing Bridges in North, North Central and Eastern Provinces of Sri Lanka.
Client- Mabey & Johnson Ltd (UK). (SL Rupees- 12.3 millions)
Funded by- Ministry of Relief, Rehabilitation and Reconciliation of Sri Lanka
(2004 December-2006 March)

- Geotechnical Engineer for the Rehabilitation of Existing Fisheries Harbours at Panadura, Beruwala and Kudawella.
Client- China Harbour Corporation (China). (SL Rupees- 5.8 millions)
(2004 December-2005 June)
- Senior Geotechnical Engineer for the infrastructure improvement project of South Eastern University of Sri Lanka- Olluvil.
Client- Eastern University of Sri Lanka (SL Rupees- 3.8 millions)
(2006 April to 2006 May)
- Senior Geotechnical Engineer for the Geotechnical Investigations for Proposed New Sea Port in Hambanthota
Client- China Harbour Corporation (China). (SL Rupees- 12.8 millions)
(2006 May to 2006 June)
- Senior Geotechnical Engineer for the Rehabilitation of Existing Slipway and the Pier of Sri Lanka Navy Base at Galle.
Client- Sri Lanka Navy (SL Rupees- 2.0 millions)
(2006 November-2007 January)
- Senior Geotechnical Engineer for the Rehabilitation of Existing Fisheries Harbours at Hikkaduwa, Puranawella and Mirissa.
Client- Access Engineering (Pvt) Ltd. (SL Rupees- 6.34 millions)
(2007 March-2007 April)
- Senior Geotechnical Engineer for the Rehabilitation of Existing Bridge at Irakkandy and proposed new bridges at Pudawkattu and Yan Oya-Tricomalee District of Sri Lanka.
Client- United Nations Organisation for Project Services (UNOPS)
(SL Rupees- 4.7 millions) (2007 April-2007 May)
- Senior Geotechnical Engineer for the Tsunami Affected area Infrastructure Improvement Programme by USAID.
Client- USAID (SL Rupees- 35.0 millions)
(2006 March-2008 March)

Foundation & Waterwell Engineering (Pvt) Ltd.,

Geotechnical Engineer

From 2003 May– 2004 August

Over One year experience in Geotechnical Engineering experience in a Geotechnical Engineering company and was engaged as the Geotechnical/ Soil Engineer in following major projects.

- Geotechnical Engineer for the integrated water supply project in the Ampara District. (Phase I)
Client- Sun Power (Pvt)Ltd.
Funded by- National Water Supply and Drainage Board
(2001 January- 2002 March)
- Geotechnical Engineer for the integrated water supply project in the Matara District. (Preliminary Investigations)
Client- Engineering Consultants Limited.
Funded by- National Water Supply and Drainage Board
(2002 August- 2002 October)
- Geotechnical Engineer for the integrated water supply project in the Ampara District. (Phase II)
Client- Sun Power (Pvt)Ltd.
Funded by- National Water Supply and Drainage Board
(2003 May- 2003 October)
- Geotechnical Engineer for the integrated water supply project in the Matara District. (Detailed Investigations)
Client- Engineering Consultants Limited.
Funded by- National Water Supply and Drainage Board
(2003 December- 2004 February)
- Senior Geotechnical Engineer for the Rehabilitation of Puttalam –Trincomalee Road.
Client- KCI- PHE Korea Consultants
Funded by- South Korean Government
(2004 May- 2004 July)
- Consultant Ground Water Engineer and the Project Coordinator for the Ground Water Resource Assessment project in the Kala Oya River Basin, for the *Mahaweli Authority of Sri Lanka - funded by the World Bank-*
(2003 September-2004 August)
- Responsible for all the ground water exploration activities in the company, which includes Geophysical exploration activities.

Lanka Mineral Sands Limited

Mining and Mineral Processing Engineer

From 2001 December– 2002 April

More than one year experience in Mining and Mineral Processing in the premier heavy mineral sands producing organisation in Sri Lanka. Responsible engineer for the refurbishment of Gravity Upgrading Plant.

❖ Educational Qualifications

University of Moratuwa	Master of Business Administration <i>Management of Technology</i> (G.P.A= 3.54 out of 4.00)	2003-2005
University of Peradeniya	Master of Science <i>Engineering Geology & Hydrogeology</i> Batch top (G.P.A= 3.97 out of 4.00)	2001-2004
University of Moratuwa	B.Sc. (Hons) Engineering A good Second Lower (G.P.A= 3.65 out of 4.00)	1995-2000

❖ Membership of Professional Bodies

- Fellow Member/Chartered Engineer/ International Professional Engineer (SL)- Institution of Engineers Sri Lanka
- Member- Geological Society of Sri Lanka.
- Member- Sri Lankan Geotechnical Society
- Life member- Sri Lanka Association for Advancement of Science

❖ Publications

- **Samarawickrama, M.N.C** and Perera, H.S.C, 2006. "Evaluation of Operations Capability of Lanka Mineral Sand Limited", The Third International Conference on Business Management, Colombo, Sri Lanka, March 17:181-187.
- Balasooriya, N.W.B. and **Samarawickrama, M.N.C**, 2012. "Geological and Geotechnical Investigations to assess subsurface conditions of South Eastern University premises at Oluvil –A Case Study". The Second International Symposium, South Eastern University of Sri Lanka, Oluvil, Sri Lanka, May 25-27:193-196.
- Abeywardana, H.A.S.I., Kodagoda, G.G.K. and **Samarawickrama, M.N.C**, 2013. "Optimum Blasting Parameters for Single Shot Blasting in Non Fractured Biotite- Gneiss Rocks of Sri Lanka". Journal of Engineering and Technology of the Open University of Sri Lanka, Vol. 01, No: 01, March: 01-19.
- Wijayasinghe W.P.S.S., **Samarawickrama, M.N.C**, 2013. "An Investigation on actual Soil Skin Friction capacity on CIB Piles: Case study: Proposed Forty Two Storied Building Project, Colombo 03". Journal of Engineering and Technology of the Open University of Sri Lanka, Vol. 01, No: 02, September: 15-30.
- **Samarawickrama, M.N.C**, Amarasinghe, U.B., Bandara, K. N., 2014. "Criteria to assess Rock Quarry Slope Stability and Design in landslide vulnerable areas of Sri Lanka: A Case Study at Thalathu Oya Rock Quarry". Journal of Institution of Engineers, Sri Lanka "ENGINEER' Vol. XLVII, No. 03, pp. [49-58].

- D.A.T.H. Deiyagala, P.G.N. Priyadarshani, M.A.N. Perera, T.M. Pallewatta, **M.N.C. Samarawickrama** and D.P.M.B. Tibbatuwawa, 2017. "Engineering and Economic Viability of Using Crushed Construction Waste in the Production of Concrete and Mortar". Journal of Institution of Engineers, Sri Lanka "ENGINEER" Vol. L, No. 03, pp. [41-53]. <http://doi.org/10.4038/engineer.v50i3.7264>.
- Dilhani, M.N., Subasinghe, S.M.M., Edirisinghe, E.A.R.M., **Samarawickrama, M.N.C.** and Laksiri, K., 2018. Selection of Optimal Tunnel Route and Tunnelling Method based on AHP Technique.. Engineer: Journal of the Institution of Engineers, Sri Lanka, 51(4), pp.57-74. DOI: <http://doi.org/10.4038/engineer.v51i4.7314>.
- K.G.G.L. Peris, **M.N.C. Samarawickrama** and L.P.S. Rohitha., 2018. "Separation of Fine Quartzite Sand from Residual Quartzite Soil". Proceedings of the 09th International Conference on Sustainable Built Environment, Kandy, Sri Lanka, December 13-15:18-24 (sustainable manufacturing).
- Surenth, S., Rajapakshe, R.M.P.P.V., Muthumala, I.S. and **Samarawickrama, M.N.C.**, 2019. Cost Forecasting Analysis on Bored and Cast-In-situ Piles in Sri Lanka: Case Study at Selected Pile Construction Sites in Colombo Metropolis Area. Engineer: Journal of the Institution of Engineers, Sri Lanka, 52(2), pp.57-66. DOI: <http://doi.org/10.4038/engineer.v52i2.7354>.
- Jayawickrama, P.G.D.S., Jayawardana, D.M.H.H., Fernando, D.I., **Samarawickrama, M.N.C.**, 2019. Design Solutions for Loaded Drained Granular Soil Slopes in Sri Lanka. Proceedings of the 10th International Conference on Structural Engineering and Construction Management, Kandy, Sri Lanka, December 12-14:272-278 (ICSESM2019-210).
- Jayawickrama, P.G.D.S., Jayawardana, D.M.H.H., **Samarawickrama, M.N.C.** and Fernando, D.I., 2021. Safe Foundation Criteria for Low-Rise Building Structures on Drained Coarse-Grained Steep Soil Slopes in Sri Lanka. Engineer: Journal of the Institution of Engineers, Sri Lanka, 54(3), pp.99-122. DOI: <http://doi.org/10.4038/engineer.v54i3.7464>
- **Samarawickrama, M.N.C.**, Puswewala, U.G.A., Thilakasiri, H.S. and Udamulla, K.M.L.A., 2023, Estimation Criteria for Static Rock Mass Deformability Modulus for Rock-Socket Design in Metamorphic Rock Masses. ENGINEER: Journal of the Institution of Engineers, Sri Lanka, 56 (03), pp.15-31. DOI: <https://doi.org/10.4038/engineer.v56i3.7604>.
- **Samarawickrama, M.N.C.**, Puswewala, U.G.A., Thilakasiri, H.S. and Udamulla, K.M.L.A., 2023, Review on the Estimation of Static Deformability Modulus of Rocks and their adoptability in Different Rock Masses. ENGINEER: Journal of the Institution of Engineers, Sri Lanka, 56 (03), pp.99-120. DOI: <https://doi.org/10.4038/engineer.v56i3.7608>.

❖ Extra Curricular Activities

Sports – Cricket:

- Became Schools Island Best Bowler (Group – B) in 1993/94.
- Represented Gampaha District U-19 team against England U-19 team in 1994
- Represented one of the leading cricket clubs (Bloomfield C & AC, CCC, Sebastianite C & AC) in Division I tournament of Sri Lanka for last 22 years.

- Captained the Negombo Cricket Club U-23 team who became Group Champions in 1996.
- Was a member of Sri Lanka National Right-arm Leg spinner pool from 1995-2000.
- Captained the Open University Cricket Team to win the Sri Lanka State Services Cricket Association 30 over knockout tournament in 2010 and 50 over league B-division tournament in 2014.
- Captained the Greenfield Cricket Club -Wattala to become Runners-up Gampaha District 50 over Division III tournament in 2018, conducted by Sri Lanka Cricket
- Became best bowler of the Gampaha District 50 over Division III tournament in 2018, conducted by Sri Lanka Cricket.
- Became best bowler of the Veterans Six-a Side Tournaments for the years 2016 and 2017, conducted by Sri Lanka State Services Cricket Association.

❖ Personal Information

Date of Birth : 15th February 1974, Married, Male

❖ REFEREES:

Professor D.A.R. Dolage
 Professor in Civil Engineering,
 Dean Faculty of Engineering
 Technology
 The Open University of Sri Lanka,
 Nawala Nugegoda,
 Sri Lanka.
Telephone: +94-112- 881228

Professor K.S. Weerasekara
 Senior Professor of Civil Engineering,
 The Open University of Sri Lanka,
 Nawala Nugegoda,
 Sri Lanka.
Telephone: +94-112-881433
 (Residence) +94-112-854910

I hereby certify the above information furnished by me in this curriculum vitae is true and accurate

Eng. M.N.C.Samarawickrama

Date: 02/10/2023