

## Physical Demands Description with Cognitive Demands Analysis

| Company Name:      | Options Incorporated   |                     |   |
|--------------------|--|---------------------|---|
| Company Address:   | 22 Westmount Road, Guelph Ontario  | Date of Evaluation: | September 2021                                |
| Position Analyzed: | Ergonomic Consultant   |                     |   |
| Shift Operation:   | - Typically: 8hrs/shift, but up to 44hrs/week<br>- 5 days/week; typically Monday to Friday<br>- Variable start times depending on client<br>demands<br>- One 30 minute lunch | Contact Person:     | Kirsti MacAulay, CCPE<br>Principal Ergonomist |

An Ergonomic Consultant is a professional position that requires a consultant to identify and assess ergonomic hazards in various workplaces (i.e. office settings, nuclear industries, health care, automotive, manufacturing, food, and municipalities etc) while producing technical reports in a proficient and timely manner. Specifically this includes completing data collection, taking measurements and forces, analyzing data and interpreting results, followed by compiling detailed analysis/reports. Consultants are also required to assemble solutions, within client and company driven parameters. Ergonomic Consultants may also be required to instruct and facilitate training sessions including setup of computer / visual audio equipment. Due to the nature of consulting, Ergonomic Consultants are required to conduct themselves professionally at all times and effectively interact with diverse clientele while promoting safe, healthy and ergonomic inspired workplaces. They may be required to manage multiple projects simultaneously and adjust support levels and timelines to adhere to client and company deadlines.

An Ergonomic Consultant is required to have a valid drivers' license as they will be required to support clients at varying locations, typically along the Highway 401 corridor. A professional in this position may be required to work in a close team environment (i.e. embedded client support) or independently depending on the project they are supporting. This may be required on either a physical (face to face) or virtual (remote) basis.

Due to the inherent dynamic nature of this position, the required physical demands are variable on a daily basis but will typically include at least two of the outlined essential tasks. However, within each week a professional in this position could be required to focus on a single task or all four of the essential tasks outlined within one day. The variability and flexibility will depend on the required client support, project deadlines, and experience level of the consultant.

| Task Number | Essential Tasks  |
|-------------|--|
| 1           | Collecting data and observing within various work environments |
| 2           | Completing data analysis and report writing                    |
| 3           | Instructing and facilitating training sessions                 |
| 4           | Travelling between and to client locations                     |

## **Position Analyzed:** Ergonomic Consultant

Date of Evaluation: September 2021

The below chart is a summary of the overall physical demands required by a professional in this position. Details on each of these parameters are presented in the remainder of the document.

|                                    | Requirements |        |            |          |           |
|------------------------------------|--------------|--------|------------|----------|-----------|
| Parameter                          | Not Required | Seldom | Occasional | Frequent | Constant  |
|                                    | Not Required | (1-5%) | (6-33%)    | (34-66%) | (67-100%) |
| Stand                              |              |        | X          |          | → x       |
| Walk                               |              | X      | → ×        |          |           |
| Sit                                |              |        | х –        |          | → x       |
| Stoop/Bend                         |              | Х      |            |          |           |
| Twist                              |              | Х      |            |          |           |
| Kneel/Crouch                       |              | Х      |            |          |           |
| Climb                              |              | Х      |            |          |           |
| Lift                               |              | Х      | ×          |          |           |
| Carry                              |              | Х      | ×          |          |           |
| Push/Pull                          |              | X      | ×          |          |           |
| Handling/Power Grip                |              |        | X -        | → ×      |           |
| Fingering/Pinch Grip               |              |        | х =        |          | → x       |
| Vertical Reach                     |              |        |            |          |           |
| Below Knuckle                      |              |        | Х          |          |           |
| Knuckle to Shoulder                |              |        |            |          | Х         |
| Above Shoulder                     |              |        | Х          |          |           |
| Horizontal Reach                   |              |        |            |          |           |
| Beyond functional reach<br>(45 cm) |              |        | Х          |          |           |

#### **Physical Demands Summary**

Task #1:

#### Collecting data and observing within various work environments

**Details:** Depending on the project being supported, the Ergonomic Consultant could be required to complete data collection at single or various client locations. Collecting data may include, but is not limited to, taking photographs and videos, measuring vertical and horizontal reaches with a tape measure, and taking various force measurements using a force gauge or weights using a scale. Consultants are required to take a hands on approach within the workplaces being observed. As a result, to obtain these measurements and collect this data they will reach to required areas, lift/weigh required objects, push/pull dollies, carts, hoists, lift assists, parts, or other equipment to capture forces. While collecting data, Consultants must be cautious not to overexert and/or avoid repetition in order to minimize exposure to awkward postures and/or unusual/high forces. It is deemed sufficient to simply categorize such instances as "high forces" or "forces exceed recommended guidelines". The Ergonomic Consultant may also be required to adjust existing equipment (chairs, keyboard trays, etc.) to support ideal results. The Consultant will complete all data collection while wearing any client/environment specific Personal Protective Equipment. Due to the varying nature of projects, postures and mobility demands will vary depending on the project supported. The duration of data collection within a day typically ranges from 60 minutes to 4 hours prolonged standing, with periods of intermittent walking around the work area.

| Reach                       |                             |                               |                               |
|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| Vertical Reach - Range (cm) | Vertical Reach - Usual (cm) | Horizontal Reach - Range (cm) | Horizontal Reach - Usual (cm) |
| 0 - 200 cm                  | 30 - 185 cm                 | 0 - 100 cm                    | 0 - 70 cm                     |

| Lifting Parameters  |  |  |   |  |
|---|--|--|---|--|
| Parameter   | Measurement (cm)   | Weight (kg)  | Times/cycle   |  |
| Horizontal Load Distance<br>(distance of knuckles away from body)       | Variable, but typically at distance of comfort   | Notebook: <1 kg  |   |  |
|   | Notebook, Measurement Tools:<br>typically between 0 - 90 cm                                      | Measurement Tools: force gauges,<br>tape measure, cameras: Up to 4.5 kg  | Variable as directly dependent on project being supported.  |  |
| Vertical Load Distance<br>(height of load at start of lift)             | Objects being measured:<br>Variable depending on object and<br>specific task demands/environment | Objects being measured: variable<br>with potential to lift loads up to 30 kg<br>provided safe lifting is feasible. | Consultants must consider client<br>requests and structure their data<br>collection to avoid repetitive |  |
| Vertical Lifting Distance<br>(distance that the load is lifted through) | Height of comfort<br>(typically between waist and chest)   | Otherwise, forces above 21kg will be<br>logged as "high forces" or "forces<br>exceed recommended guidelines")      | exposure to lifting demands.  |  |

| Carrying Parameters         |  |   |  |  |
|-----------------------------|--|---|--|--|
| Parameter                   | Measurement (cm,m)   | Weight (kg)   | Times/cycle  |  |
| Vertical Position of Load   | Height of comfort<br>(typically between waist and chest)             | Notebook: <1 kg   | Variable as directly dependent on project being supported. |  |
| Horizontal Position of Load | Distance of comfort  | Measurement Tools: force gauges,  | Consultants have access to rolling                         |  |
| Distance Carried            | Variable: typically <1 to 500 m but could be around client facility. | Measurement Tools: force gauges,<br>tape measure, cameras: Up to 4.5 kg | bags to transport equipment<br>instead of carrying it.     |  |

| Pushing/Pulling Parameters   |  |   |  |  |
|--|--|---|--|--|
| Handle Height (cm)   | Initial (kg)   | Distance of Push<br>(up to 2m, 2-7.5m, >7.5m)           | Times/cycle  |  |
| <ol> <li>Office/plant doors: 100-110 cm</li> <li>Objects measured: Various<br/>heights (parts/equipment/dollies)<br/>depending on project demands</li> </ol> | <ol> <li>Doors: 1. 3 to 5 kg</li> <li>Objects measured: variable with<br/>potential to push/pull loads up to<br/>41 kg provided safe pushing/<br/>pulling is feasible. Otherwise,<br/>forces above 27kg will be logged<br/>as "high forces" or "forces exceed</li> </ol> | 1. Doors: Minimal <1 m<br>2. Objects measured: Variable | <ol> <li>Doors: As needed</li> <li>Objects measured: Variable,<br/>Consultants must consider client<br/>requests and structure their data<br/>collection to avoid repetitive<br/>exposure to pushing/pulling<br/>demands.</li> </ol> |  |

| Postures                 |   |                 |   |
|--------------------------|---|-----------------|---|
| Upper Extremity          |   | Lower Extremity |   |
| Neck:                    | 0 - 45 deg flex, 90 deg rot'n, 20<br>deg ext        | Torso:          | 0 - 90 deg flex   |
| Shoulder:                | 0 - 180 deg flex, 0 - 180 deg<br>abduct, 20 deg ext | Hip/Knee/Ankle: | Used to sit, stand, walk, crouch, climb<br>and/or squat |
| Elbow:                   | 0 - 180 deg flex/ext                                |                 |   |
| Wrist:                   | +/- 30 deg flex/ext/dev'n                           |                 |   |
| Finger Demands/Dexterity |   | General D       | emands  |
| Hand                     | Grip - Power and Pinch                              | Mobility        | Walk  |
| Fingers                  | Handling and Fine Fingering                         | Other           | Kneeling and Climbing stairs                            |

### Physical Demands Summary Task #2:

#### Completing data analysis and report writing

**Details:** Following collection of data, the Ergonomic Consultant is responsible for analyzing and/or collating the information. Once the analysis is completed, the consultant will prepare a report consistent the scope of the project. All reports are completed electronically through use of word processing, spreadsheets, database software, as well as Internet resources. The equipment (laptop, desktop, chair) and environment (head office, remote, client location) will vary depending on the project and client being supported. As a result, the Ergonomic Consultant is required to set up their computer workstation in the most ideal ergonomic manner based on available equipment provided. Due to the varying nature of project timelines, deliverables, and deadlines, the duration of sustained data analysis and report writing will vary. As the Ergonomic Consultant has some control over their working postures within this task, the duration of sustained seated postures within a day is typically 60 minutes before a postural break is taken. Depending on the nature of the project and work day, the Consultant may resume seated postures following postural breaks for the majority of their day.

| Vertical Reach - Range (cm)   | Vertical Reach - Usual (cm)   | Horizontal Reach - Range (cm)                                       | Horizontal Reach - Usual (cm)  |
|---|---|---|--|
| 30 - 160 cm   | 75 - 140 cm   | 0 - maximum arm's reach   | 0 - 50 cm  |
| Lifting Parameters  |   |   |  |
| Parameter   | Measurement (cm)  | Weight (kg)   | Times/cycle  |
| Horizontal Load Distance<br>(distance of knuckles away from body)       | Distance of comfort   |   |  |
| Vertical Load Distance<br>(height of load at start of lift)             | Notebooks, reference materials,<br>Laptop Computer and<br>accessories: varies from 30 -<br>90cm | Notebook: <1 kg<br>Laptop Computer/Supplies: 4.5 kg                 | Variable<br>Up to 4 times per shift                                  |
| Vertical Lifting Distance<br>(distance that the load is lifted through) | Variable but typically onto desk or working surface/laptop stand.                               |   |  |
| Carrying Parameters   |   |   |  |
| Parameter   | Measurement (cm,m)  | Weight (kg)   | Times/cycle  |
| Vertical Position of Load   | Height of comfort   | Notebook: <1 kg   | Variable as directly dependent on<br>project/client being supported. |
| Horizontal Position of Load   | Distance of comfort   | Laptop Computer/ Supplies: 4.5 kg                                   | Consultants have access to rolling                                   |
| Distance Carried  | Variable:<br>Typically <1 to 1000 m   | *May be required while climbing stairs into/out of working location | bags to transport equipment<br>instead of carrying it.               |
| Pushing/Pulling Parameters  |   |   |  |
| Handle Height (cm)  | Initial (kg)  | Distance of Push<br>(up to 2m, 2-7.5m, >7.5m)                       | Times/cycle  |
| Roller bag: variable, 70 - 100 cm                                       | Variable: < 5kg   | Variable:<br>Typically <1 to 1000 m                                 | Variable:<br>Up to 4 times per shift                                 |
| Postures  |   |   |  |
| Upper   | Extremity   | Lowe  | r Extremity  |
| Neck:   | 0 - 45 deg flex and rot'n   | Torso:  | 0 - 90 deg flex, primarily when in<br>seated postures                |
|   | 0 - 120 deg flex and abduct   | Hip/Knee/Ankle:   | Used to sit, stand, and squat/crouch                                 |
|   | 0 - 180 deg flex/ext  |   |  |
|   | +/- 20 deg flex/ext/dev'n   |   |  |
| Finger Demands/Dexterity  |   | Genera  | al Demands   |

Hand Grip - Power and Pinch

Fingers Handling and Fine Fingering

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Sitting and Walking

climbing stairs

Standing, crouching, squatting, and

Mobility

Other

### **Physical Demands Summary**

#### Task #3:

Instructing and facilitating training sessions

**Details:** The Ergonomic Consultant may be required to instruct and facilitate training sessions at various client locations. Depending on the client, this may only include setting up computer but could also include setting up the audio/visual equipment, as well as moving chairs and tables to create a positive training layout. Training sessions may be delivered at client locations in conference rooms, at hotel type locations, or via webinar format. Throughout instructing and facilitating the training session, the Consultant may be required to provide demonstrations of tasks, ideal work methods and various postures. As a result, the postures and movements required will vary depending on the topic of training delivered. Depending on the type and duration of training session, the Consultant may stand/walk for between 1 - 2 hours at a time while presenting material before a 15 minute break. For full day training sessions they would be required to stand for the duration of the session other than 15 min breaks and a lunch break.

| Reach                       |                             |                               |                               |
|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| Vertical Reach - Range (cm) | Vertical Reach - Usual (cm) | Horizontal Reach - Range (cm) | Horizontal Reach - Usual (cm) |
| 0 - 200 cm                  | 75 - 185 cm                 | 0 - maximum arm's reach       | 0 - 50 cm                     |

| Lifting Parameters  |   |  |                                     |  |
|---|---|--|-------------------------------------|--|
| Parameter   | Measurement (cm)  | Weight (kg)  | Times/cycle                         |  |
| Horizontal Load Distance<br>(distance of knuckles away from body)       | Distance of comfort   | Laptop computer, handouts, InFocus<br>machine:<br>Up to 6 kg |                                     |  |
| Vertical Load Distance<br>(height of load at start of lift)             | Notebooks, reference materials,<br>Laptop Computer and<br>accessories: varies from 30 -<br>90cm |  | Variable<br>Up to 4 times per shift |  |
| Vertical Lifting Distance<br>(distance that the load is lifted through) | Variable but typically onto table<br>or working surface/lecturn.                                |  |                                     |  |

| Carrying Parameters         |                                     |  |  |  |
|-----------------------------|-------------------------------------|--|--|--|
| Parameter                   | Measurement (cm,m)                  | Weight (kg)  | Times/cycle  |  |
| Vertical Position of Load   | Height of comfort                   | Laptop Computer/ Supplies:   | Variable<br>Up to 4 times per shift                          |  |
| Horizontal Position of Load | Distance of comfort                 | Up to 6 kg   | Consultants have access to                                   |  |
| Distance Carried            | Variable:<br>Typically <1 to 1000 m | *May be required while climbing<br>stairs into/out of working location | rolling bags to transport items<br>instead of carrying them. |  |

| Pushing/Pulling Parameters   |   |  |                                     |
|--|---|--|-------------------------------------|
| Handle Height (cm)   | Initial (kg)  | Distance of Push<br>(up to 2m, 2-7.5m, >7.5m)                                      | Times/cycle                         |
| 1. Doors (100 - 110 cm)<br>2. Overhead screen (up to 200<br>cm)<br>3. Rolling laptop / office bag (70 -<br>100 cm) | 1. Doors: 3 to 5 kg<br>2. Overhead screen: 1 to 2 kg<br>3. Rolling bag: <5 kg | 1. Doors: Minimal <1 m<br>2. Overhead screen: <1 m<br>3. Rolling bag: <1 to 1000 m | Variable<br>Up to 4 times per shift |

| Postures   |   |                 |  |
|------------|---|-----------------|--|
| Upper      | Extremity   | LowerE          | xtremity   |
| Neck:      | 0 - 45 deg flex, 0 - 30 deg ext, 0 -<br>45 degrees rotation | Torso:          | 0 - 90 deg flex, primarily when in seated postures |
| Shoulder:  | 0 - 180 deg flex, 0 - 180 deg<br>abduct                     | HID/Knee/Ankle: | Used to sit, stand, walk, climb and squat/crouch   |
| Elbow:     | 0 - 180 deg flex/ext  |                 |  |
| Wrist:     | +/- 30 deg flex/ext/dev'n                                   |                 |  |
| Finger Dem | nands/Dexterity   | General D       | Demands  |
| Hand       | Grip - Power and Pinch                                      | Mobility        | Standing and Walking                               |
| Fingers    | Handling and Fine Fingering                                 |                 | Sitting, crouching, squatting, and climbing stairs |

## **Physical Demands Summary**

Task #4:

#### Travelling between and to client locations

**Details:** Depending on the projects being supported, the Ergonomic Consultant may be required to travel between client locations on the same day. Travelling between clients may require the Consultant to load/unload their vehicle with equipment/supplies needed to support the data collection or training session. Travelling distances will vary depending on client support, up to 60 minute sustained sitting tolerances may be required.

| Reach                       |                             |                               |                               |
|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| Vertical Reach - Range (cm) | Vertical Reach - Usual (cm) | Horizontal Reach - Range (cm) | Horizontal Reach - Usual (cm) |
| 30 - 200 cm                 | 85 - 105 cm                 | 0 - 75 cm                     | 0 - 55 cm                     |

| Lifting Parameters  |                                  |   |             |  |
|---|----------------------------------|---|-------------|--|
| Parameter   | Measurement (cm)                 | Weight (kg)   | Times/cycle |  |
| Horizontal Load Distance<br>(distance of knuckles away from body)       | Up to 65 cm                      |   |             |  |
| Vertical Load Distance<br>(height of load at start of lift)             | Varies, typically from 30 - 90cm | Equipment/Supplies/Laptop/Persona<br>I bags: Up to 6 kg | Variable    |  |
| Vertical Lifting Distance<br>(distance that the load is lifted through) | 30 - 120 cm                      |   |             |  |

| Carrying Parameters         |                                     |   |   |
|-----------------------------|-------------------------------------|---|---|
| Parameter                   | Measurement (cm,m)                  | Weight (kg)   | Times/cycle   |
| Vertical Position of Load   | Height of comfort                   |   | Variable<br>Up to 4 times per shift                         |
| Horizontal Position of Load | Distance of comfort                 | Equipment/Supplies/Laptop/Persona<br>I bags: Up to 6 kg | Consultants have access to                                  |
| Distance Carried            | Variable:<br>Typically <1 to 1000 m |   | rolling bags to transport items<br>instead of carrying them |

| Pushing/Pulling Parameters  |   |   |                                    |
|---|---|---|------------------------------------|
| Handle Height (cm)  | Initial (kg)  | Distance of Push<br>(up to 2m, 2-7.5m, >7.5m)   | Times/cycle                        |
| <ol> <li>Open/close vehicle doors (80 - 110 cm)</li> <li>Shifting gears (60 cm)</li> <li>Engaging parking brake (60 - 70 cm)</li> <li>Office/plant doors (100 - 110 cm)</li> <li>Rolling laptop / Office Bag (90 - 100 cm)</li> </ol> | 1. 3 to 5 kg<br>2. 1 to 2 kg<br>3 1 to 2 kg<br>4. 3 to 5 kg<br>5. <5 kg | 1. Minimal, <1 m<br>2. Minimal, <1 m<br>3. Minimal, <1 m<br>4. Minimal, <1 m<br>5. <1 to 1000 m | Variable, up to 4 trips per shift. |

| Postures                 |   |            |   |
|--------------------------|---|------------|---|
| Upper Extrem             | ity   | Lower Ext  | remity  |
| Neck:                    | <i>Neck:</i> 0 - 45 deg flex, 0 - 30 deg ext, 0 -<br>45 deg rot'n |            | 0 - 90 deg flex, primarily when<br>in seated/driving postures |
| Shoulder:                | Shoulder: 0 - 180 deg flex, 0 - 180 deg abduct                    |            | Used to sit, stand, walk and operate pedals to drive vehicle  |
| Elbow:                   | 0 - 180 deg flex/ext  |            |   |
| Wrist:                   | +/- 30 deg flex/ext/dev'n   |            |   |
| Finger Demands/Dexterity |   | General De | mands   |
| Hand                     | Grip - Power and Pinch  | Mobility   | Sitting   |
| Fingers                  | Handling and Fine Fingering                                       | Other      | Climbing in/out of vehicle                                    |

| Cognitive Demands | Required | Comments or Details                                |
|-------------------|----------|--|
| Hearing           |          |  |
| Conversation      | Х        | With co-workers, management team and clients       |
| Other Sounds      | Х        | Announcements and alarms                           |
| Vision            |          |  |
| Near              | Х        | Computer work, paperwork, and data collection      |
| Far               | Х        | Navigating throughout client locations and driving |
| Colour            | Х        | Computer work and during data collection           |
| Perception        |          |  |
| Spatial Form      | Х        | Data collection                                    |
| Feeling           | Х        | Data collection                                    |
| Reading           | Х        | Computer work, paperwork, and driving              |
| Writing           | Х        | Data collection, paperwork and analysis            |
| Speech            | Х        | With co-workers, management team and clients       |

| Environmental Demands    | Required | Comments or Details   |
|--------------------------|----------|---|
| Air bourne particles     | х        | May be exposed depending on client<br>(i.e. health care, hospitals) |
| Noise                    | Х        | Hearing protection may be required depending on the client          |
| Hazardous machines/tools | Х        | May be exposed depending on client                                  |
| Radiant/thermal energy   | Х        | May be exposed depending on client                                  |
| Congested work site      | Х        | May be exposed depending on client                                  |

| Conditions of Work               | Required | Comments or Details  |
|----------------------------------|----------|--|
| Work alone                       | Х        | May support independent projects   |
| Work Independently but in a team | Х        | May support independent projects, but works as a larger part of a consulting team                            |
| Deadline pressure                | Х        | Required to meet client deadlines  |
| Operate equipment/machinery      | х        | Tools required for data collection and analysis<br>(i.e. camera, force gauge, scale, tape measure, computer) |
| Shift work                       | Х        | Typically day shift support, but afternoon or night support may be required depending on client requests     |

| Personal Protective Equipment | Required | Comments or Details                 |
|-------------------------------|----------|-------------------------------------|
| Safety glasses                | Х        | May be required depending on client |
| Hard hat                      | Х        | May be required depending on client |
| Jacket/sleeves/paint suit     | Х        | May be required depending on client |
| Safety shoes                  | Х        | May be required depending on client |
| Hearing protection            | Х        | May be required depending on client |
| Safety vest                   | Х        | May be required depending on client |
| Gloves                        | Х        | May be required depending on client |
| Face mask                     | Х        | May be required depending on client |

# Psychological / Cognitive Job Demands Analysis

| Category  | Area of Focus<br>Description / Definition  | Ergonomic Consultant<br>Micro= 80% / Meso= 15% / Macro= 5%   |
|---|--|--|
| Self-Supervision  | The ability to work effectively without supervision and<br>demonstrate initiative. When required, they are<br>expected to exercise good problem solving and<br>judgement and also think beyond the assigned tasks to<br>see opportunities.   | Able to work effectively with frequent supervision<br>following the Manager/Supervisor providing work<br>direction.<br>Occasionally demonstrate intitative to think beyond<br>assigned tasks.  |
| Time Pressures  | The extent to which work tasks are expected to be<br>completed within a given time period or the extent to<br>which a fast work pace is required because of the<br>nature of the work or work volume.  | Able to manage frequent pressure to meet deadlines,<br>work within time constraints, and/or support a high<br>volume of work and moderately fast pace of work.<br>Able to complete tasks as directed within timelines.                                     |
| Attention to Detail                                       | The ability to support work tasks that require attention<br>to or concentration on details of information. This<br>demand implies that insufficient attention to detail will<br>result in work errors and/or inefficiencies.   | Significant attention to detail or concentration is<br>required for many tasks or intense attention to detail<br>or concentration required for some tasks. Able to<br>apply <i>meso level</i> common sense/logic checks to <i>micro</i><br><i>detail</i> . |
| Performance of multiple<br>tasks                          | The ability to perform and/or monitor more than one<br>task at a time and to be able to judge when tasks<br>require attention. The ability to prioritize tasks and<br>manage time effectively (juggle various tasks efficiently)<br>is required.   | Responsible for multiple tasks, with some time<br>management skill and judgement required for<br>successful ongoing establishment of priorities.   |
| Exposure to distracting<br>stimuli                        | The ability to perform work duties without distraction<br>from visual, auditory or other sensory stimuli. May<br>include verbal conversations of colleagues in an open<br>office area, phones ringing, and movement of people.   | Able to work within environments with moderate degree of distracting stimuli   |
| Need to work co-<br>operatively with others               | The ability to work co-operatively with others. This may<br>include team projects, shared job duties, interacting<br>with Management, etc. This requires one to have good<br>communication skills, good teamwork and interpersonal<br>skills, be open minded, diplomatic or have good<br>negotiation skills. | Able to work in close co-operation with others when required.  |
| Exposure to emotional<br>or confrontational<br>situations | Exposure to situations in which a client or the public<br>may be emotional or confrontational and the consultant<br>is required to interact with the individual in order to<br>complete a job requirement. These scenarios may be in<br>person or over the telephone.  | Infrequent exposure to emotional or confrontational circumstances or individuals with whom the consultant must interact in order to complete job requirements.   |
| Responsibility and accountability                         | The extent of liability or safety risk that could result if<br>the consultant does not exercise appropriate<br>judgement or attention, or follow policies, procedures,<br>and processes during the performance of job tasks.   | Errors in judgement or attention would result in liability<br>or risks ranging from inconvenience to serious legal<br>consequences, significant expense, or health and<br>safety risks to clients, colleagues, or the company.                             |
| Reading literacy  | The ability to read and comprehend English text and written documents.   | A high degree of reading literacy is required to read<br>reports, references, or other documents with a high<br>degree of comprehension  |

# Psychological / Cognitive Job Demands Analysis

| Category             | Area of Focus<br>Description / Definition   | Ergonomic Consultant<br>Micro= 80% / Meso= 15% / Macro= 5%   |
|----------------------|---|--|
| Written literacy     | The ability to create English text within generally accepted grammar and spelling norms.  | Able to create memos, reports, or any communications<br>with accurate spelling, grammatical construction,<br>professional format (pdf margins, titles, fonts, sizes of<br>fonts), concise, clarity, and/or careful wording<br>appropriate to the audience.                                 |
| Data Analytics       | The abilility to process, analyze, and comprehend<br>numerical information even if the calculation is<br>performed electronically.  | Able to use complex arithmetic operations such as<br>division, multiplication, percentages, ratios and begin<br>to apply abstract mathematical formulae e.g.,<br>statistical comparisons, co-relating data sets. Able to<br>apply meso level common sense/logic checks to micro<br>detail. |
| Computer literacy    | The extent to which a job requires the ability to use computer technology   | Able to use standard computer programs (e.g. Excel,<br>WORD, Power Point, video conferencing) and smart<br>phones (text, emails, Apps) at an advanced level and<br>initiate problem solving skills where reasonable.   |
| Verbal Communication | The ability to clearly comprehend and express ideas<br>and information, through conversations and<br>presentations across multiple mediums (ie. over the<br>phone, in person, on camera). | Communication skills are required to comprehend and communicate information fluently within conversations and presentations e.g. to peers, supervisors, clients.   |
| Memory               | The ability to retrieve and recall information on demand that has been previously learned.  | Able to recall information that is applied to work tasks<br>on a regular basis as well as recall information that<br>harder to remember because it is recalled infrequently.   |
| Resilience           | The ability to recover quickly from difficulties;<br>toughness, grit.   | Able to demonstrate self awareness and communicate<br>accordingly to ensure you are able to recover quickly<br>from difficulties and demonstrate toughness and grit<br>on an ongoing basis.  |
| Decision Making      | The ability to consider relevant details/criteria and come to a conclusion.   | Able to confidently and independently review<br>information, consider appropriate methodologies (OI,<br>industry accepted standards, etc.), identify<br>conclusions, and explain rationale used.   |