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| **RTI SALES CHANNEL INFO** |
| **RTI Sales Eng./Agency Name** |  | **1)Date/Version** |  |
| **COMPANY DETAILS** |
| **2) Company Name** |       |
| **3) Site Name**  |       |
| **4) Site Location / Address** |       |
| **5) Contact Name** |       |
| **6) Email Address** |       | **7) Phone Number** |  |
| **MATERIAL INFORMATION** If ADS purpose is for QUOTATION ONLY, questions in **bold type** need only to be completed |
| **8) General description of the purpose for which the analyser will be used:**  |
| **9) Type of Coal Conveyed:** [ ]  ROM (Run-of-Mine) [ ]  Crushed and sized [ ]  Washed Product [ ]  Filter Belt/Press Fines |
| 10) Conveyer Location (e.g. CHPP Product, Rejects, TLO etc.)       |
| **11) Multi-Seam Operation?** | Yes: [ ]  No:[ ]  | 12) **If Yes**; Is the concentration of Iron & Calcium stable between the seams | Yes: [ ]  No: [ ]  |
| **Conveyor/Material Properties** | **Min (operational Min - not zero)** | **Nominal** | **Max** |
| **13) Ash %** |       |       |       |
| **14) Moisture %** |       |       |       |
| **15) Inherent Moisture%**  |       |       |       |
| **16) Bed Depth, centre of belt** |       |       |       |
| **17) Particle Size (mm)** |       |       |       |
| **18) Bulk Density (Specify unit)** |       |       |       |
| **19) TPH (tonnes per hour)** |       |       |       |
| **20) Product temperature** |       |       |       |
| **21) Ambient temperature at analyser install location** |       |       |       |
| **22) % Fe (Iron) in Ash** | Seam 1 | Seam 2 | Seam 1 | Seam 2 | Seam 1 | Seam 2 |
| **23) % Ca (Calcium) in Ash** | Seam 1 | Seam 2 | Seam 1 | Seam 2 | Seam 1 | Seam 2 |
| **CONVEYOR DETAILS** | Please provide photographs and drawings of conveyer and indicate the proposed location of the Analyser |
| 24) Belt ID/Name |       | O:\Sales Material & Quotation Resources\APPLICATION DATA SHEETS\Ash & Elemental\Conveyor Cross Section Diagrams\Conveyor Cross Sectional View w (R1 & R2).jpgC:\Users\adrian\Pictures\Plan of Conveyor Structure.png |
| 25) Belt Speed (m/sec) |       |  |
| **26) Belt Width, Flat (A)** |       |  |
| 27) Roller Diameter (**B**) |       |  |
| 28) Distance Across Roller Tips (**C**) |       |  |
| 29) Idler Trough Angle (**D**) |       |  |
| **30) Max Material Depth (E)** |       |  |
| 31) Top of Centre Roller to Top of Stringer (**F**) |       |  |
| 32) Roller Tip to Top of Stringer (**G**) |       |  |
| 33) Distance; Return Belt to Top of Stringer (**H**) |       |  |
| 34) Inside – Inside of Stringer (**I**) |       |  |
| 35) Idler Hole Centres (**J**) |       |  |
| **36) Outside to Outside of Stringer (K)** |       |  |
| **37) Idler Pitch (L)** |       |  |
| 38) Stringer to Nearest Existing Structure (**M**)E.g. Cable tray, Water pipe, Guards, Pull wire etc. |       |  |
| 39) Stringer Leg or Support Pitch (**N)** |       |  |
| 40) Stringer Leg Width (**O**) |       |  |
| 41) Width of Idler mounting foot (**P**)  |       |  |
| 42) Hole Centres of Idler Mounting Foot (**Q**) |       |  |
| 43) Distance across Face of Roller (**R**) | Roller 1: | Roller 2: |  |
| **44) Distance; Top of centre roller to floor of adjacent walkway** |       |  |
| **45) NOTE: If your answer to 44 is greater than 1400mm**, the control cabinet may need to be located remotely to the “C” Frame so the HMI can be read while standing on the walkway. **Please contact your RTI representative**. |  |
| **46) Steel Cord Belt** | Yes: [ ]  No: [ ]  | Belt Spec:  |  |
| 47) Stringer Beam Type (**1**/**2**/**3**/**4**) Support Beam | 1: 2: 3: 4: Other:  |  |
| 47a) Specify Other:  |   |  |
| 48) Which side of conveyor line will the Control Cabinet be on, when viewed in the direction of travel | Left Side [ ] Right Side [ ]  |  |
| 49) Belt Weigher TPH available? | [ ]  Yes [ ]  No |  |
| 50) Belt Weigher Location; relative to proposed analyser location | Upstream: Downstream: Distance:       metres |  |
| 51) Type of Idler Frame |       |  |
| 52) №: of Rollers per Idler Frame | 3 Rollers: [ ]  5 Rollers: [ ]  Other №:       |  |
| 53) Roller Trough Angles  | >1       | >2       | Radius: |  |
| **54) Will analyser be exposed to any corrosive substances**  | Yes: [ ]  No: [ ]  , Specify Substance: |  |
| There are four (4) fixing points for the AshScan, two per mounting foot. The AshScan will require two support beams to span between stringers. |
| 55) Position of any item that runs alongside the conveyor stringers? E.g. water/gas pipe, cable tray, emergency pull cable, etc. Supply Details:      |
| **MATERIAL SAMPLING** |
| 56) Is a mechanical Auto Sampler installed on this belt? | Yes: [ ]  No: [ ]  (If “Yes” please answer questions below) |
| 57) Type of Sampler | 58) Location of Sampler | 59) Distance from Analyser | 60) Estimated time lag |
|       |       |       metres |       seconds |
| 61) Are the Moisture Samples routinely collected for analysis? | Yes: [ ]  No: [ ]  | 62) If answered “Yes”, How frequently are they collected and analysed? |
| 63) Please describe in detail the sample collection process, noting the handling and the time between collection of the sample and analysis.  |
| **POWER** |
| 64) Supply Voltage available | [ ]  240VAC [ ]  115VAC [ ]  Other Specify Other: |
| 65) Supply Frequency | [ ]  50Hz [ ]  60Hz | 66) Is power regulated?  | [ ] Yes [ ] No |
| **ENVIRONMENTAL CONDITIONS** |
| **67) Minimum Temp at Analyser location** | **Degs C** | **68) Maximum Temp at Analyser Location** | Degs C |
| **69) Is the Analyser in a Hazardous Zone? Yes: [ ]  No: [ ]**  | **70) Hazardous Zone Classification**  |  |
| 71) Is the proposed installation location accessible by crane for installation? | Yes: [ ]  No: [ ] Describe Access: |
| **COMMUNICATIONS** |
| 72) №: 3/4G wireless signal bars, at best signal on site |  | 73) №: 3/4G wireless signal bars, at Analyser location |  |
| 74) Analyser to Plant Communication Type / Protocol | ModBus over TCP/IP: Ethernet /IP: Serial ProfiBus DP: Other:  |
| 74a) Specify Other Protocol: |
| **ADDITIONAL DETAILS REQUIRED** |
| 75 Where is the analyser to be located? | [ ]  Above Ground[ ]  Below Ground | [ ]  Indoors[ ]  Outdoors | [ ]  Covered belt and walkway[ ]  Belt Roofing only |
| 76) Are there any obstructions or metal structures beneath the analyser or between Stringers? | Yes: [ ]  No: [ ] Describe Obstruction:  |
| 77) Are there any structures that need to be removed before the analyser can be installed? | Yes: [ ]  No: [ ] Provide description: |
| 78) Brand/type/model of plant control system | Plant Control System Details: |

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| **MATERIAL INFORMATION** |
| 79) Additional Parameters required? Yes: [ ]  No: [ ]  | SE (Specific Energy): [ ] , Other: [ ] , Please Specify Requirements:       |
| **RADIATION INFORMATION** |
| 80) Does site have a license for Cs137 & Am241 radiation sources?  | Yes: [ ]  No: [ ]  (If **Yes** please attach all relevant information) |
| 81) Does the company have an RSO (Radiation Safety Officer)?  | Yes: [ ]  No: [ ]  (Please attach all relevant information) |
| 82) Any other relevant information for the Specification / Quotation of the AshScan Duo Analyser:       |