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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).jpg  C:\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: | | |