

Extreme seasonal conditions

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Are extreme seasonal conditions your challenge?



Moisture and freezing temperatures



Sticky materials



Rain penetration



Monsoon and consequences



Dusty and windy

Economics of extreme seasonal conditions

- Difficulties to keep production alive. Only possible with additional manpower, equipment or reduced production capacity.
 - ▶ The sum of production limitations/losses, additional expenses for contractors as well as associated cleaning costs.



Basics: Extreme seasonal conditions

- Extreme seasonal conditions are normally taken in consideration by increasing flexibility/capacity of equipment.
- In case of severe deficiencies, either seasonal conditions, equipment or material is not as per specifications and either equipment or material (limited influence) can be adapted.
- Previously unproblematic equipment and minor deficiencies will become severe and critical.

What do we offer?

Our competencies to reduce impact from extreme seasonal conditions

- Identification of equipment opportunities with tailor-made solutions.
- **Technical due diligence on site** with simple & hands-on visual reports with action list generation for follow-up and ease of tracking.

Pre-mix crushing capacity (forecast)

- Conclusion:
 - The crushing circuit will be a bottleneck in the upcoming rainy season and both lines together will not be able to run under full kiln capacity.
 - In addition, at each two-way diverter gates permanent manpower will be required due to low inclination of subsequent chutes.
- Recommendations:
 - Quick-fix solutions for upcoming monsoon.
 - Permanent solution.

Refer to next slides