



## Work Contact letter

Russian Perm Region Chusovoy 1000TPD Clinker Cement Production Line Project

To	Vasiliy Y. Startsev	Email	quarry.perm@mail.ru
From	Xing Yu	Email	sunnyvivid@126.com, shantianyingzi@163.com
Time	2019-02-26	No.	20190226-12
Subject	Compressed air holder arrangement and required gas calculation		

1. Considering the extreme cold weather in the plant in winter times, we suggest arrange the compressed air holder like this. If there is enough space for the compressed air holder in the workshop, then we wall off a separate room in the workshop for it, such as 241 and 284. If there is no space for the compressed air holder in the workshop, then we should built a room beside the workshop for it, such as 281. In the kiln inlet workshop, we wall off a room for the compressed air holder on plan 7.800. Other compressed air holders of the plant are placed on plan 0.000. Please see the attachment for more details.

2. On 15<sup>th</sup> November, 2018 we sent you the calculation of gas required for process needs in the Appendix 2-answer. Now we update the calculation according the ordered equipment, please see the table below.

a	For kiln main burner (256.BU01):(0—2950) Nm <sup>3</sup> /h	для главной горелки печи(256.BU01): (0—2950) Нм <sup>3</sup> /ч
b	calciner burner(251.BU01):(0—1700) Nm <sup>3</sup> /h	для горелки кальцинатора(251.BU01):(0—1700) Нм <sup>3</sup> /ч
c	calciner burner(251.BU02):(0—1700) Nm <sup>3</sup> /h	для горелки кальцинатора(251.BU02):(0—1700) Нм <sup>3</sup> /ч
d	For Hot gas generator 241.HG01: (0—470) Nm <sup>3</sup> /h	для горелки горячего воздуха 241.HG01: (0—470) Нм <sup>3</sup> /ч
e	For Hot gas generator 257.HG01: (0—880) Nm <sup>3</sup> /h	для горелки горячего воздуха 257.HG01: (0—880) Нм <sup>3</sup> /ч
天然气设备入口压力定为0.4MPa±0.02MPa; 以上五个设备有同时使用的可能性。 The natural gas pressure at the equipment inlet is 0.4mpa±0.02mpa; It is possible to use the five devices at the same time.		

Remark					
Operator	李延军	Approver		Project Manager	王