



APEC HOLDING
BOOSTAN MANDEGAR SABZ
MINE DEPARTMENT



Mine Department Profile

Boostan Mandegar Sabz Co. now working with APEC holding and have 3 main departments involve :

1. Oil and Hydrocarbons Dept.
2. Invironment Dept.
3. Mine Dept.

The mine department have more then 10 years experience in supplying mineral and chemical material for all of the ceramic company : Tile , Porcelain , Sanitaryware ,

Now we have 3 mine and work incorporate with 10 mine in Iran involve Kaolin , Silica , Ballclay , Feldspar , Bentonite , Fire Clay , ... and supply raw mineral material for more than 10 big ceramic factory in Iran .

We issued a JV contract with one of the biggest mineral holding in iran named “ Falat Asia “ this holding have 21 mines in all of the iran areas with very high capacity .

Some of the main customer :

1. Yazd Ceram Kavir
2. Kimia Ceram Meybod
3. Arman Loab Meybod
4. Loab Sanat Meybod
5. Marjan Porcelain
6. Behsazan Yazd
7. Azar Refarctory
8. ...

One of our future program start a material preparation site for micronizing and concetrating raw mineral material in next 2 years .

Analysis for some of our raw mineral material are shown in table below :

| | Super Kaolin | Abhar Kaolin | Feldspar | Fie Clay |
|--------------------------------|--------------|--------------|-------------|---------------|
| SiO ₂ | 60.21 | 63.65 | 68.95 | 30.37 |
| Al ₂ O ₃ | 28.56 | 20.55 | 17.58 | 44.75 |
| Fe ₂ O ₃ | 0.15 | 0.98 | 0.9 | 1.48 |
| CaO | 0.23 | 2.37 | 1.12 | 0.22 |
| MgO | 0.33 | 0.36 | 0.58 | 0.53 |
| Na ₂ O | 1.08 | 1.57 | 4.1 | 0.26 |
| K ₂ O | 2.1 | 3.12 | 6.32 | 2.25 |
| TiO ₂ | 0.26 | 0.11 | 0.57 | 3.11 |
| P ₂ O ₅ | 0.02 | 0.07 | 0.1 | 0.14 |
| SO ₃ | 0.05 | 0.2 | 0.11 | 0.02 |
| LOI | 3.5 | 6.24 | 4.1 | 12.25 |
| | KS 20 | K 18 | F 50 | FC 101 |
| | Quartz | Quartz | Feldspar | |
| | Kaolinite | Kaolinite | Quartz | |
| | Illite | Illite | Calcite | |
| | | Feldspar | | |
| | | Calcite | | |