



## 1. INTRODUCTION:

### 1.1. GENERAL:

- 1.1.1. There are two Sinter Plants in operation at Bhilai Steel Plant (BSP), namely, Sinter Plant-2 and Sinter Plant-3 (Sinter Plant-1 has been phased out). Sinter Plant-2 (SP2) is having 4 machines (3x75 m<sup>2</sup> & 1x80 m<sup>2</sup>) whereas Sinter Plant-3 (SP-3) is having two machines (1st machine) of 320 m<sup>2</sup> sintering area, and (2nd machine) of 360 m<sup>2</sup> machine area.
- 1.1.2. The complete job of “Replacement of DC motor with AC motor and VFD for Mixer cum Nodulizing Drum of Sinter Machine-1, Sinter Plant-3” is envisaged to be executed through single package on Turnkey basis.
- 1.1.3. This tender specification pertains to be executed through single package on turnkey basis which includes installation of AC motor, Variable Frequency drive for MND motor, necessary cabling, interfacing with existing system, air conditioning and minor modification of civil foundation for placing motor drive etc.
- 1.1.4. Cloud computing offers various cloud management tools which help admins to manage all types of cloud activities, such as resource deployment, data integration, and disaster recovery. These management tools also provide administrative control over the platforms, applications, and infrastructure.
- 1.1.5. GoToMeeting provides **Video Conferencing** and **online meeting apps**, which allows you to start a meeting with your business partners from anytime, anywhere using mobile phones or tablets. Using GoToMeeting app, you can perform the tasks related to the management such as join meetings in seconds, view presentations on the shared screen, get alerts for upcoming meetings, etc.
- 1.1.6. Facebook is a **social networking website** which allows active users to share files, photos, videos, status, more to their friends, relatives, and business partners using the cloud storage system. On Facebook, we will always get notifications when our friends like and comment on the posts.



- 1.1.7. Data loss is the most common cloud security risks of cloud computing. It is also known as data leakage. Data loss is the process in which data is being deleted, corrupted, and unreadable by a user, software, or application. In a cloud computing environment, data loss occurs when our sensitive data is somebody else's hands, one or more data elements cannot be utilized by the data owner, hard disk is not working properly, and software is not updated.
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- 1.1.10. Vendor lock-in is the of the biggest security risks in cloud computing. Organizations may face problems when transferring their services from one vendor to another. As different vendors provide different platforms, that can cause difficulty moving one cloud to another.
- 1.1.11. Spectre & Meltdown allows programs to view and steal data which is currently processed on computer. It can run on personal computers, mobile devices, and in the cloud. It can store the password, your personal information such as images, emails, and business documents in the memory of other running programs.
- 1.1.12. Denial of service (DoS) attacks occur when the system receives too much traffic to buffer the server. Mostly, DoS attackers target web servers of large organizations such as banking sectors, media companies, and government organizations. To recover the lost data, DoS attackers charge a great deal of time and money to handle the data.



- 1.1.13. Account hijacking is a serious security risk in cloud computing. It is the process in which individual user's or organization's cloud account (bank account, e-mail account, and social media account) is stolen by hackers. The hackers use the stolen account to perform unauthorized activities.
- 1.1.14. Cloud computing is a revolutionary technology transforming how we store, access, and process data. It simply refers to delivering computing resources, such as servers, storage, databases, software, and applications, over the Internet. Cloud computing uses a network of remote computer systems housed on the net to save and process data rather than relying on physical infrastructure.
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**\*\*End of Clauses\*\***