

In-Tray Exercise



A Report By



Technician - AC Area New

In-Basket Narration

Jagtap Rana is a Technician, working in the AC area, in one of the leading Solar Power Plants Thar Power Corp. in India. The plant had a total capacity of 2.1 GW 3 x 700 MW located in the state of Rajasthan, in Western India. The plant is one of the best, state-of-the art units that was established in the early 2000s. Jagtap mentally knew that there would be a need for him to take off on short notice since his parents were seeing marriage alliances for him and his sister wanted him to be home for Shiv Ratri. He had to be home on a week-long leave to help his parents with the arrangements and organizing things. As there was very little time left, he had booked the flight on the 5th of March 2024 and he had to leave urgently. Help Mr. Jagtap Rana in the process of planning his work. He has a total of 6 in-trays or items of work that he needs to take care of before he can leave the office. He needs to prioritize and indicate the action that needs to be done before he can leave so that all issues are addressed when he leaves the premises. Today is the 5th of March 2024, and the time is 9:00 AM. Mr. Jagtap Rana has to do a hard stop at 9:30 that is get all things done by 9:30 AM

In-Basket Instruction

You have 45 minutes to complete this exercise.

Intray 1

Inverter - Solar Level 1-Novice

Mode:Call-Mobile

Time:7:45 AM, 5th March 2024

From:Vaibhav Vyas, Senior Manager

Vaibhav Vyas: Hello Jagtap

Jagtap : Hello Sir

Vaibhav Vyas: As per yesterday s Operation Log sheet, we are encountering communication issues between the inverters and the central monitoring system, which is in-turn hindering data acquisition and performance evaluation.

Jagtap: Yes Sir, I am following this.

Vaibhav Vyas: I want you to investigate this and come up with an action plan so as to ensure that the plant performance is not hampered and the issue is resolved.

Jagtap: Sure Sir. I will work on the same and get back to you.

Saying so, Jagtap ends the call. Meanwhile, he thinks he should _____

Intray 2

Sub Station / Switchyard - Solar Level 1-Novice

Mode:Plant-walk

Time:9:10 AM, 4th March 2024

From:

While Jagtap happens to go on a plant walk, he tries to do a routine inspection at the Substation Area.

He discovers a minor leak from a substation transformer. While the leak appears small, it raises concerns about potential environmental impact and equipment damage.

Considering the fact that he would be unavailable for the next one week he thinks he should

Intray 3

Solar Power Plant Technology - Solar Level 1-Novice

Mode:Call-Mobile

Time:9:00 AM, 5th March 2024

From:Aravind Rao, Manager

Aravind Rao: Morning

Jagtap: Morning Sir

Aravind Rao: Jagtap, you must be aware, an unexpected ground fault alarm triggered but the specific location remains unidentified. I want you to diagnose the issue promptly using your SLD expertise to minimize downtime and ensure safety.

Jagtap: Sure Sir.

Aravind: Prepare a plan of action and detail what methods you are going to adopt to unearth this. Share it across with me, post which we can discuss and take it forward.

Saying so, Aravind ends the call. While Jagtap thinks he should _____

Intray 4

Transformer / IDT - Solar Level 1-Novice

Mode:Call-Mobile

Time:8:10 AM, 4th March 2024

From:Rabindranath, Senior Manager

Rabindranath: Morning Jagtap

Jagtap: A very Good Morning Sir Please tell me.

Rabindranath: During a routine inspection, I could hear unusual humming or buzzing noises coming from the Transformer 4B. While the transformer functions normally, the noise raises concerns about potential internal issues.

Jagtap: Okay Sir.

Rabindranath: I want you to take-up this troubleshooting activity and come up with recommendations on the root cause and

the CAPA.

Jagtap: Yes Sir. I will immediately start working on it and keep you informed.

Rabindranath: Sure Jagtap. I expect you to be very quick on this.

Saying so, Rabindranath ends the call. Meanwhile, Jagtap thinks as he would be leaving for a week, he should be _____

Intray 5

Cable Management - Solar Level 1-Novice

Mode:Routine Inspection

Time:4:00 PM, 4th March 2024

From:

During routine inspection, Jagtap discovers signs of abrasion or damage on an AC cable, raising concerns about potential safety hazards and operational risks.

He then thinks he should _____

Intray 6

Safety - Solar Level 2-Practitioner

Mode:Plant-walk

Time:8:00AM, 5th March 2024

From:

Jagtap happens to witness routine maintenance of a string combiner box while on his plant walk; just when a worker accidentally spills insulating oil, a hazardous material. He rushes to the spot to take immediate action to ensure the safety of personnel and mitigate environmental impact. He immediately _____.

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