| | Format | No: ER 5/10– F2, | JOB SAFE | TY ANALYSIS (JSA) | , IB THERMAL POW | /ER STATION, OPGC | | |
|--|-----------------------------|----------------------------|-------------------|--|------------------------|--|------------------------------|----------------------------------|
| Serial No. | Department | Equipment | Location | Job description: | | | | |
| | Facility Management | | ITPS colony | Development of Ra | | | | |
| JSA performed by: | Signature | Reviewed & Approved by | Signature | Date of Issue | Date of revision | | | Revision No- |
| | | | LIAZARD TE | /T/TVDE / Fan nafana | | aroud toma \ | | |
| PHYSICAL HAZARDS | PHYSICAL | PHYSICAL HAZARDS | ELECTRICAL | CHEMICAL/ GAS | nce to identify the H | CAVATION | OTHERS | |
| PHISICAL HAZARDS | | PHISICAL HAZARDS | | | EXCAVATION | | OTHERS | |
| Noise | HAZARDS Fall from height | Force (Push/Pull) | HAZARDS Shock/ | HAZARDS Flammable/ | Collapse/Sliding | | Fire | |
| Noise | raii iroin neignt | roice (Push/Puh) | - | | Collapse/Siluling | | riie | |
| | | | Electrocution | Explosive | | | | |
| Dadiation | Fall (Clin /Trin) | Caught in/on or | - · · · | substances | Hadayayayad liya sa | bla damaga | Heavy Mind/Dain | |
| Radiation | Fall (Slip/Trip) | | | Inhalation of toxic Underground live cable damag | | bie damage | Heavy Wind/Rain | |
| Confined space | Fall down/below | between Struck by/against | electricity | fumes Ingestion/Absorpt | FREGNIONICS | | Dust exposure | |
| Confined space | rail down/below | Struck by/against | Archashi, blast | | EKGONOMICS | | Dust exposure | |
| Exposure to | Fall of Objects | Extreme weather | BIOLOGICAL | ion Body/Eye Contact | Poor Posturo | | Oil spill | |
| • | 1 | | | Body/Eye Contact | rooi rostule | | On spin | |
| pressurised | from height | (Hot/Cold) | HAZARDS | | | | | |
| Steam/Air Contact with Hot | Contact with | Poor illumination | Snake/Insect | Spillage | Repeatative motion | | Human factor | |
| | | Poor illullillation | | Spinage | Repeatative motion | | Hullian factor | |
| surface | moving parts | | bite/Virus | | | | | |
| PPEs to be used | Cafoty choos hand | <u> </u> | infection | ug/muff Safaty gag | aloc rofloctivo vost o | to | | |
| Tools required | | | | | | | ox, measuring tape, plumb bo | ah sandsereen snade |
| | | ntrol measures, conside | | | | | ox, measuring tape, plumb be | ob, sand screen, spade, |
| | | SAFETY, HEALTH & | | | | S / HAZARD CONTROL MEASI | IRES | Are control |
| SEQUENCE OF BASIC STEPS | | HAZARDS | | Elimination/ | Engineering | Administrative | PPE | Measures adequate |
| | | | | Substitution | Linginicering | Administrative | | to mitigate the risk (Yes/No) |
| Excavation for Soil from the borrow pit, | | Electrocution/Shock from | | | | Ensure the proper isolation | Safety shoes, hand gloves | Yes |
| Trnasportation of Soil to Filling site by | | underground/burried cables | | | | and put local LOTO on the | ,safety helmet, safety | |
| Dumper/ tractor, Filling of Soil in layers | | | | | | RCCB/Main switch. Ensure | goggles, nose mask, ear | |
| and mechanical and manual means, | | | | | | zero voltage before | plug/muff | |
| Rollong and Compaction by Vibro Roller/ | | | | | | starting the job. Use | prag/man | |
| Pollong and Compacti | | | | | | insulation mat while doing | | |
| | , | | | | | illisulation mat write doing | | |
| • | , , | | | | | isolation. | | |
| Rollong and Compacti Sheepfoot Roller | | Body injury (Slip/trip) | | | | _ | Safety shoes, hand gloves | Yes |
| | | Body injury (Slip/trip) | | | | isolation. | | Yes |
| | | Body injury (Slip/trip) | | | | isolation. Have a 360 degree vision | ,safety helmet, safety | Yes |
| • | | Body injury (Slip/trip) | | | | isolation. Have a 360 degree vision and be alert about the area | | Yes |

| SEQUENCE OF BASIC STEPS | SAFETY, HEALTH & ENVIROMENT | | Are control | | | | | | |
|---|--|------------------------------|---|--|---|---|--|--|--|
| | HAZARDS | Elimination/ Substitution | Engineering | Administrative | PPE | Measures adequate to mitigate the risk (Yes/No) | | | |
| | Body eye conact/ hand/leg injury while digging/manual excavation | | | Engage inline experienced work person, Use healthy and tested Tools. | Safety shoes, hand gloves ,safety helmet, safety goggles, nose mask, ear | Yes | | | |
| | Poor Posture | | | Take Rest in between the job. Do not overstrech your body. Keep in mind about your body limits. | Safety shoes, hand gloves | Yes | | | |
| | Collapse/sliding of soil | | | Keep the excavated soil at a distance of 1 mtr from the excavated pit/trench. Barricade the area of work. | Safety shoes, hand gloves ,safety helmet, safety goggles, nose mask, ear | | | | |
| | Dust/Ash/fumes | | | Keep dust/fume mask with you. Use wherever needed.Check, whether the filters of the mask are clean before using. Use | Safety shoes, hand gloves ,safety helmet, safety goggles, nose mask, ear plug/muff | Yes | | | |
| | Fall of person inside excavated pit/trench | | | Barricade the working area with hard barrication. Use caution tapes and barriers wherever required. | Safety shoes, hand gloves ,safety helmet, safety goggles, nose mask, ear plug/muff | Yes | | | |
| Emergency Safety Measures (Rescue/ | mergency Safety Measures (Rescue/Fire Brigade etc): | | Emergency Contacts-Main Control Room- 222, 233,244, Fire- 777, 222257, Ambulance- 248/337, Hospital-666 | | | | | | |
| Overal Job Risk Category- | HIGH | , , , | | . , , | | | | | |
| JSA Review during PJB: | | | | | | | | | |
| Pre Job Briefing (PJB) is applicable to a | | | | | | | | | |
| | nt: I undertake that the JSA is communicat | ed to me effectively | | | | | | | |
| Name | Agency's name | | | Signature | | | | | |
| | | | | | | | | | |
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