

```

<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>खोजो HAZARDS</title>

  <!-- PWA META -->
  <meta name="theme-color" content="#0a2a66">
  <link rel="manifest" href="manifest.json">
  <meta name="mobile-web-app-capable" content="yes">
  <meta name="apple-mobile-web-app-capable" content="yes">

  <style>
    body{background:#f5f2e6;font-family:Arial, sans-serif;margin:0;padding:0}
    .container{max-width:980px;margin:30px auto;padding:20px}
    .card{background:#fff;border-radius:10px;box-shadow:0 2px 8px
rgb(0,0,0,0.1);padding:20px}
    .title{font-size:26px;font-weight:700;color:#2b2b2b;margin-bottom:10px}
    .sub{color:#555;font-size:14px;margin-bottom:20px}
    .searchBox{display:flex;gap:10px;margin-bottom:15px}
    .searchBox input{flex:1;padding:12px;border:1px solid #ccc;border-radius:6px;font-size:16px}
    .searchBox button{padding:12px
20px;border:none;border-radius:6px;background:#1aa65c;color:#fff;font-size:16px;cursor:pointer
}
    .table{width:100%;border-collapse:collapse;margin-top:15px}
    .table th,.table td{border:1px solid #e0e0e0;padding:10px;text-align:left;font-size:14px}
    .table th{background:#f0f0f0}
    .hidden{display:none}
    .footer{margin-top:20px;color:#888;font-size:12px}
    .upi{color:#1aa65c;text-decoration:underline;cursor:pointer}
    .comments{margin-top:15px}
  </style>
</head>
<body>
  <div class="container">
    <div class="card">
      <div style="margin:18px 0 12px 0;">
        <div style="font-size:24px; font-weight:800; letter-spacing:0.5px;">
          खोजो <span style="color:#b8860b;">HAZARDS</span>
        </div>
        <div style="font-size:13px; margin-top:2px; color:#2f6fb2;">
          अब चुटकी में
        </div>
      </div>
    </div>
  </div>

```

<div class="sub">Enter any activity and get hazards, controls, PPE & risk</div>

<!-- LOCK BOX -->

<div id="lockBox" style="text-align:center;">

<h3>Paid Access</h3>

<p>Actual Price: ₹999</p>

<p style="color:green">Republic Day Offer (26th January): ₹599 (25 Days Access)</p>

<input id="accessCode" type="text" placeholder="Enter Access Code"

<button onclick="unlock()"

<div style="text-align:center; margin-top:15px;">

<a href="https://forms.gle/rnxWDf8wNa16pb8C8" target="_blank"

Get Access Code Now

</div>

<p style="margin-top:15px">After payment you will receive access code.</p>

</div>

<!-- PAID CONTENT -->

<div id="content" class="hidden">

<div class="searchBox">

<input type="text" id="activityInput" placeholder="Type activity name e.g., Excavation, Crane, Welding...">

<button onclick="search()">Search</button>

</div>

<table class="table" id="resultTable">

<thead>

<tr>

<th>Hazard</th>

<th>Control</th>

<th>PPE</th>

<th>Risk</th>

</tr>

```
</thead>
<tbody id="resultBody"></tbody>
</table>
```

```
<div class="comments">
  <strong>Comments:</strong>
  <div style="margin-top:10px;color:#555;font-size:13px;"></div>
</div>
</div>
```

```
<div class="footer">
  Note: Screenshot not allowed. One user per browser.
</div>
</div>
</div>
```

```
<script>
const accessDB = {
  "IMHSE-2601-X9": "2026-02-26",
  "IMHSE-2601-A2": "2026-02-28",
  "IMHSE-2601-PAID": "2099-12-31"
};

const HAZARD_DB = {
  "excavation": [
    ["Cave-in","Shoring and sloping","Helmet","High"],
    ["Fall into pit","Barricading","Safety shoes","High"],
    ["Underground cable hit","Utility scanning","Insulated gloves","High"],
    ["Water accumulation","Dewatering","Gumboots","Medium"],
    ["Vehicle strike","Signalman","Reflective jacket","Medium"]
  ],
  "trenching": [
    ["Trench collapse","Shoring","Helmet","High"],
    ["Access failure","Ladder access","Safety shoes","Medium"],
    ["Struck by tools","Tool control","Helmet","Medium"],
    ["Water ingress","Pump out water","Gumboots","Medium"],
    ["Poor visibility","Lighting","Helmet","Low"]
  ],
  "scaffolding": [
    ["Fall from height","Guardrails","Full body harness","High"],
    ["Scaffold collapse","Load control","Helmet","High"],
    ["Falling objects","Toe boards","Helmet","High"],
    ["Unsafe access","Proper ladder","Helmet","Medium"],
    ["Overloading","Display SWL","Safety shoes","Medium"]
  ]
}
```

```

],
"formwork": [
  ["Collapse", "Design approval", "Helmet", "High"],
  ["Struck by material", "Controlled removal", "Helmet", "High"],
  ["Fall", "Edge protection", "Harness", "High"],
  ["Nail injury", "Housekeeping", "Gloves", "Medium"],
  ["Manual handling", "Mechanical aid", "Safety shoes", "Medium"]
],
"concreting": [
  ["Skin burns", "Safe handling", "Rubber gloves", "Medium"],
  ["Struck by mixer", "Barricading", "Helmet", "High"],
  ["Slip", "Housekeeping", "Safety shoes", "Low"],
  ["Noise", "Hearing protection", "Ear plugs", "Low"],
  ["Manual handling", "Proper posture", "Safety shoes", "Medium"]
],
"brickwork": [
  ["Fall from height", "Working platform", "Helmet", "High"],
  ["Hand injury", "Tool handling", "Gloves", "Medium"],
  ["Material fall", "Toe boards", "Helmet", "High"],
  ["Dust inhalation", "Wet method", "Mask", "Medium"],
  ["Manual handling", "Trolley use", "Safety shoes", "Medium"]
],
"plastering": [
  ["Fall", "Guardrails", "Helmet", "High"],
  ["Skin irritation", "Safe mix", "Gloves", "Medium"],
  ["Eye injury", "Eye protection", "Goggles", "Medium"],
  ["Dust", "Wet mixing", "Mask", "Low"],
  ["Overexertion", "Work-rest cycle", "Safety shoes", "Low"]
],
"roof work": [
  ["Fall from roof", "Life line", "Harness", "High"],
  ["Fragile surface", "Cover openings", "Helmet", "High"],
  ["Weather exposure", "Weather monitoring", "Jacket", "Medium"],
  ["Tool drop", "Tool lanyard", "Helmet", "Medium"],
  ["Heat stress", "Hydration", "Cap", "Medium"]
],
"demolition": [
  ["Structural collapse", "Sequence planning", "Helmet", "High"],
  ["Flying debris", "Barricading", "Face shield", "High"],
  ["Dust inhalation", "Water spray", "Mask", "Medium"],
  ["Noise", "Hearing protection", "Ear plugs", "Medium"],
  ["Unstable footing", "Debris clearance", "Safety shoes", "Medium"]
],
"road work": [

```

["Vehicle hit", "Traffic diversion", "Reflective jacket", "High"],
 ["Dust", "Water spraying", "Mask", "Low"],
 ["Noise", "Hearing protection", "Ear plugs", "Low"],
 ["Heat stress", "Rest breaks", "Cap", "Medium"],
 ["Uneven surface", "Proper footwear", "Safety shoes", "Medium"]
],
 "bitumen work": [
 ["Burns from hot bitumen", "Temperature control", "Heat resistant gloves", "High"],
 ["Fire", "Fire extinguisher", "Face shield", "High"],
 ["Fume inhalation", "Ventilation", "Respirator", "Medium"],
 ["Slip", "Anti-slip mats", "Safety shoes", "Medium"],
 ["Traffic hit", "Traffic control", "Reflective jacket", "High"]
],
 "paving": [
 ["Hand injury", "Tool safety", "Gloves", "Medium"],
 ["Back strain", "Mechanical aid", "Safety shoes", "Medium"],
 ["Slip", "Housekeeping", "Safety shoes", "Low"],
 ["Dust", "Water spray", "Mask", "Low"],
 ["Struck by vehicle", "Barricade", "Reflective jacket", "High"]
],
 "curing": [
 ["Slip on wet surface", "Warning signs", "Safety shoes", "Low"],
 ["Chemical irritation", "Proper dilution", "Gloves", "Medium"],
 ["Heat exposure", "Rest breaks", "Cap", "Medium"],
 ["Manual handling", "Proper lifting", "Safety shoes", "Low"],
 ["Trip hazard", "Hose management", "Safety shoes", "Low"]
],
 "reinforcement fixing": [
 ["Rebar cuts", "Capping ends", "Gloves", "High"],
 ["Fall", "Guardrails", "Helmet", "High"],
 ["Muscle strain", "Team lifting", "Safety shoes", "Medium"],
 ["Struck by material", "Material stacking", "Helmet", "Medium"],
 ["Eye injury", "Eye protection", "Goggles", "Medium"]
],
 "bar bending": [
 ["Finger crush", "Safe distance", "Gloves", "Medium"],
 ["Machine entanglement", "Guarding", "Helmet", "High"],
 ["Noise", "Hearing protection", "Ear plugs", "Low"],
 ["Flying metal", "Face protection", "Face shield", "Medium"],
 ["Manual lifting", "Mechanical aid", "Safety shoes", "Medium"]
],
 "shuttering": [
 ["Panel fall", "Proper support", "Helmet", "High"],
 ["Fall from height", "Working platform", "Harness", "High"],

```
["Hand injury", "Tool handling", "Gloves", "Medium"],
["Pinch point", "Safe handling", "Gloves", "Medium"],
["Overloading", "Load limit", "Safety shoes", "Medium"]
],
"stone masonry": [
["Stone fall", "Proper stacking", "Helmet", "High"],
["Hand injury", "Tool safety", "Gloves", "Medium"],
["Dust inhalation", "Wet cutting", "Mask", "Medium"],
["Manual lifting", "Team lift", "Safety shoes", "Medium"],
["Slip", "Housekeeping", "Safety shoes", "Low"]
],
"tiling": [
["Knee strain", "Knee pads", "Knee pads", "Low"],
["Tile cuts", "Proper cutter", "Gloves", "Medium"],
["Chemical exposure", "Safe adhesive", "Gloves", "Low"],
["Slip", "Clean spills", "Safety shoes", "Low"],
["Eye injury", "Eye protection", "Goggles", "Medium"]
],
"waterproofing": [
["Chemical exposure", "MSDS compliance", "Gloves", "Medium"],
["Slip", "Surface cleaning", "Safety shoes", "Medium"],
["Fire", "No ignition source", "Fire extinguisher", "High"],
["Fume inhalation", "Ventilation", "Mask", "Medium"],
["Skin irritation", "Skin protection", "Gloves", "Low"]
],
"painting": [
["Fall", "Proper access", "Helmet", "High"],
["Solvent fumes", "Ventilation", "Respirator", "Medium"],
["Eye splash", "Eye protection", "Goggles", "Medium"],
["Fire", "No smoking", "Fire extinguisher", "High"],
["Skin irritation", "Protective wear", "Gloves", "Low"]
],
>false ceiling": [
["Fall from height", "Scaffold use", "Helmet", "High"],
["Material drop", "Toe boards", "Helmet", "High"],
["Sharp edges", "Edge protection", "Gloves", "Medium"],
["Dust", "Mask use", "Mask", "Low"],
["Eye injury", "Eye protection", "Goggles", "Low"]
],
"floor grinding": [
["Dust inhalation", "Wet grinding", "Respirator", "Medium"],
["Noise", "Hearing protection", "Ear plugs", "Medium"],
["Flying particles", "Guard use", "Face shield", "High"],
["Electrical shock", "Proper earthing", "Gloves", "High"],
```

```
["Slip","Dry surface","Safety shoes","Low"]
],
"core cutting": [
  ["Flying debris","Barricading","Face shield","High"],
  ["Dust","Water suppression","Mask","Medium"],
  ["Noise","Hearing protection","Ear plugs","Medium"],
  ["Electrical shock","Proper grounding","Gloves","High"],
  ["Fall","Stable platform","Helmet","Medium"]
],
"pile driving": [
  ["Noise","Hearing protection","Ear plugs","High"],
  ["Vibration exposure","Work rotation","Gloves","Medium"],
  ["Falling object","Exclusion zone","Helmet","High"],
  ["Machine instability","Ground check","Helmet","High"],
  ["Hydraulic failure","Inspection","Helmet","Medium"]
],
"retaining wall": [
  ["Collapse","Engineering design","Helmet","High"],
  ["Fall","Edge protection","Harness","High"],
  ["Struck by stone","Controlled placement","Helmet","Medium"],
  ["Manual handling","Mechanical aid","Safety shoes","Medium"],
  ["Uneven ground","Proper footing","Safety shoes","Low"]
],
"crane": [
  ["Load fall","Certified rigging","Helmet","High"],
  ["Crane overturn","Ground stability","Helmet","High"],
  ["Power line contact","Safe clearance","Gloves","High"],
  ["Swing radius","Barricading","Safety shoes","Medium"],
  ["Signal failure","Trained signalman","Reflective jacket","Medium"]
],
"hydra": [
  ["Load instability","Load chart","Helmet","High"],
  ["Pinch points","Safe distance","Gloves","High"],
  ["Boom failure","Inspection","Helmet","High"],
  ["Traffic collision","Barricade","Reflective jacket","Medium"],
  ["Ground failure","Soil check","Safety shoes","Medium"]
],
"excavator": [
  ["Machine rollover","Stable ground","Helmet","High"],
  ["Blind spot hit","Spotter","Reflective jacket","High"],
  ["Hydraulic failure","Maintenance","Helmet","High"],
  ["Swing collision","Barricade","Safety shoes","Medium"],
  ["Noise","Hearing protection","Ear plugs","Low"]
],
```

```
"backhoe loader": [  
  ["Rollover", "Slope control", "Helmet", "High"],  
  ["Pedestrian hit", "Spotter", "Reflective jacket", "High"],  
  ["Bucket drop", "Lockout", "Helmet", "High"],  
  ["Maintenance hazard", "Isolation", "Gloves", "Medium"],  
  ["Noise", "Hearing protection", "Ear plugs", "Low"]  
],  
"forklift": [  
  ["Overturn", "Speed control", "Helmet", "High"],  
  ["Load fall", "Proper stacking", "Helmet", "High"],  
  ["Pedestrian hit", "Warning alarm", "Reflective jacket", "High"],  
  ["Battery acid", "Safe charging", "Gloves", "Medium"],  
  ["Poor visibility", "Mirror use", "Safety shoes", "Medium"]  
],  
"road cutting": [  
  ["Flying debris", "Barricading", "Face shield", "High"],  
  ["Dust inhalation", "Water spraying", "Mask", "Medium"],  
  ["Tool kickback", "Proper grip", "Gloves", "Medium"],  
  ["Traffic hit", "Traffic diversion", "Reflective jacket", "High"],  
  ["Noise", "Hearing protection", "Ear plugs", "Low"]  
],  
"asphalt laying": [  
  ["Burn from hot mix", "Temperature monitoring", "Heat gloves", "High"],  
  ["Fume inhalation", "Ventilation", "Respirator", "Medium"],  
  ["Slip", "Proper footwear", "Safety shoes", "Medium"],  
  ["Traffic collision", "Barricading", "Reflective jacket", "High"],  
  ["Manual strain", "Mechanical aid", "Safety shoes", "Medium"]  
],  
"road marking": [  
  ["Chemical exposure", "Proper handling", "Gloves", "Medium"],  
  ["Traffic hit", "Traffic control", "Reflective jacket", "High"],  
  ["Fume inhalation", "Mask use", "Mask", "Low"],  
  ["Slip on paint", "Warning signage", "Safety shoes", "Low"],  
  ["Eye splash", "Eye protection", "Goggles", "Medium"]  
],  
"manhole work": [  
  ["Oxygen deficiency", "Gas testing", "Gas detector", "High"],  
  ["Fall into manhole", "Cover guard", "Harness", "High"],  
  ["Biological hazard", "Hygiene practice", "Gloves", "Medium"],  
  ["Confined space", "Permit system", "SCBA", "High"],  
  ["Slip", "Non-slip footwear", "Safety shoes", "Low"]  
],  
"sewer cleaning": [  
  ["Toxic gas", "Gas monitoring", "SCBA", "High"],
```



```

["Drowning","Lifeline","Harness","High"],
["Infection","Vaccination","Gloves","Medium"],
["Slip","Housekeeping","Safety shoes","Low"],
["Manual strain","Proper posture","Safety shoes","Low"]
],
"pipe laying": [
["Trench collapse","Shoring","Helmet","High"],
["Pipe roll","Chocking","Safety shoes","Medium"],
["Manual handling","Team lifting","Safety shoes","Medium"],
["Tool injury","Tool inspection","Gloves","Medium"],
["Slip","Level ground","Safety shoes","Low"]
],
"pipe welding": [
["Arc eye","Welding shield","Welding helmet","High"],
["Burns","Protective clothing","Gloves","High"],
["Fire","Fire watch","Fire extinguisher","High"],
["Fume inhalation","Ventilation","Respirator","Medium"],
["Electric shock","Proper earthing","Gloves","High"]
],
"pressure testing": [
["Pipe burst","Pressure control","Helmet","High"],
["Flying fittings","Exclusion zone","Face shield","High"],
["Noise","Hearing protection","Ear plugs","Medium"],
["Water spray","Controlled release","Safety shoes","Low"],
["Slip","Drainage","Safety shoes","Low"]
],
"valve installation": [
["Hand injury","Tool safety","Gloves","Medium"],
["Valve drop","Lifting aid","Helmet","High"],
["Muscle strain","Proper lifting","Safety shoes","Medium"],
["Pinch points","Clear communication","Gloves","Medium"],
["Slip","Housekeeping","Safety shoes","Low"]
],
"pump installation": [
["Electrical shock","Isolation","Insulated gloves","High"],
["Pump fall","Rigging plan","Helmet","High"],
["Alignment injury","Proper tools","Gloves","Medium"],
["Noise","Hearing protection","Ear plugs","Low"],
["Slip","Dry floor","Safety shoes","Low"]
],
"electrical conduit laying": [
["Electric shock","Power isolation","Insulated gloves","High"],
["Sharp edges","Deburring","Gloves","Medium"],
["Fall","Proper ladder","Helmet","Medium"],

```

```
["Eye injury","Eye protection","Goggles","Low"],
["Manual strain","Ergonomic posture","Safety shoes","Low"]
],
"cable pulling": [
  ["Cable snap","Tension control","Gloves","High"],
  ["Hand injury","Clear grip","Gloves","Medium"],
  ["Trip hazard","Cable routing","Safety shoes","Low"],
  ["Muscle strain","Mechanical rollers","Safety shoes","Medium"],
  ["Communication failure","Hand signals","Helmet","Low"]
],
"panel installation": [
  ["Electric shock","LOTO","Insulated gloves","High"],
  ["Panel tip over","Anchoring","Helmet","High"],
  ["Finger pinch","Safe handling","Gloves","Medium"],
  ["Eye injury","Eye protection","Goggles","Low"],
  ["Slip","Dry surface","Safety shoes","Low"]
],
"transformer shifting": [
  ["Load fall","Certified slings","Helmet","High"],
  ["Crush injury","Exclusion zone","Helmet","High"],
  ["Electrical hazard","Isolation","Insulated gloves","High"],
  ["Equipment damage","Slow movement","Safety shoes","Medium"],
  ["Communication gap","Signalman","Reflective jacket","Medium"]
],
"generator installation": [
  ["Fuel fire","Fire extinguisher","Fire suit","High"],
  ["Noise","Acoustic enclosure","Ear plugs","Medium"],
  ["Electrical shock","Grounding","Insulated gloves","High"],
  ["Manual strain","Lifting aid","Safety shoes","Medium"],
  ["Exhaust fumes","Ventilation","Mask","Medium"]
],
"lighting installation": [
  ["Fall","Proper access","Helmet","High"],
  ["Electric shock","Power off","Insulated gloves","High"],
  ["Tool drop","Tool lanyard","Helmet","Medium"],
  ["Eye strain","Adequate lighting","Goggles","Low"],
  ["Slip","Housekeeping","Safety shoes","Low"]
],
"earthing work": [
  ["Electric shock","Isolation","Insulated gloves","High"],
  ["Manual digging","Tool inspection","Gloves","Medium"],
  ["Collapse of pit","Shoring","Helmet","Medium"],
  ["Back strain","Proper posture","Safety shoes","Low"],
  ["Trip","Barricading","Safety shoes","Low"]
]
```

```

],
"fire alarm installation": [
  ["Electric shock", "Power isolation", "Insulated gloves", "High"],
  ["Fall", "Working platform", "Helmet", "Medium"],
  ["Tool injury", "Tool safety", "Gloves", "Medium"],
  ["Dust inhalation", "Mask use", "Mask", "Low"],
  ["Eye injury", "Eye protection", "Goggles", "Low"]
],
"sprinkler installation": [
  ["Overhead work", "Hard hat", "Helmet", "High"],
  ["Pipe fall", "Proper support", "Helmet", "High"],
  ["Manual strain", "Team lift", "Safety shoes", "Medium"],
  ["Water leakage", "Pressure check", "Safety shoes", "Low"],
  ["Slip", "Dry floor", "Safety shoes", "Low"]
],
"fire pump testing": [
  ["High pressure leak", "Controlled testing", "Helmet", "High"],
  ["Noise", "Hearing protection", "Ear plugs", "Medium"],
  ["Water spray", "Drainage", "Safety shoes", "Low"],
  ["Electrical hazard", "Isolation", "Insulated gloves", "High"],
  ["Slip", "Anti-slip footwear", "Safety shoes", "Low"]
],
"crane operation": [
  ["Load fall", "Lift plan approval", "Helmet", "High"],
  ["Crane overturn", "Ground assessment", "Helmet", "High"],
  ["Boom contact with power line", "Safe distance", "Insulated gloves", "High"],
  ["Dropped objects", "Exclusion zone", "Helmet", "High"],
  ["Poor signaling", "Certified signalman", "Reflective jacket", "Medium"]
],
"hydra operation": [
  ["Load instability", "Proper rigging", "Helmet", "High"],
  ["Hydraulic failure", "Equipment inspection", "Gloves", "Medium"],
  ["Crush zone entry", "Barricading", "Helmet", "High"],
  ["Overloading", "Load chart compliance", "Safety shoes", "High"],
  ["Poor visibility", "Banksman", "Reflective jacket", "Medium"]
],
"excavator operation": [
  ["Swing radius hit", "Barricading", "Helmet", "High"],
  ["Bucket fall", "Hydraulic check", "Helmet", "High"],
  ["Ground collapse", "Soil assessment", "Safety shoes", "High"],
  ["Operator fatigue", "Work-rest cycle", "Seat belt", "Medium"],
  ["Unauthorized access", "Cab lock", "Helmet", "Low"]
],
"transit mixer operation": [

```

```
["Vehicle collision","Traffic plan","Reflective jacket","High"],
["Mixer drum entanglement","Guarding","Gloves","High"],
["Slippery concrete spill","Immediate cleaning","Safety shoes","Medium"],
["Noise exposure","Cab insulation","Ear plugs","Low"],
["Reversing accident","Reverse alarm","Reflective jacket","Medium"]
],
"stacker operation": [
["Load instability","Correct stacking","Helmet","High"],
["Hand crush","Safe grip","Gloves","Medium"],
["Uneven floor","Floor leveling","Safety shoes","Medium"],
["Overloading","Capacity marking","Helmet","High"],
["Fatigue","Task rotation","Safety shoes","Low"]
],
"material loading": [
["Falling materials","Proper stacking","Helmet","High"],
["Manual strain","Mechanical aid","Safety shoes","Medium"],
["Vehicle movement","Wheel chocks","Helmet","Medium"],
["Finger pinch","Safe handling","Gloves","Medium"],
["Slip","Clean surface","Safety shoes","Low"]
],
"material unloading": [
["Load shift","Securing straps","Helmet","High"],
["Struck by load","Exclusion zone","Helmet","High"],
["Manual handling","Team lifting","Safety shoes","Medium"],
["Trip hazard","Clear pathway","Safety shoes","Low"],
["Communication failure","Hand signals","Helmet","Low"]
],
"warehouse stacking": [
["Stack collapse","Height control","Helmet","High"],
["Forklift interaction","Traffic lanes","Reflective jacket","High"],
["Manual lifting","Use pallet jack","Safety shoes","Medium"],
["Slip","Dry floor","Safety shoes","Low"],
["Poor lighting","Adequate lighting","Helmet","Low"]
],
"racking installation": [
["Rack collapse","Anchoring","Helmet","High"],
["Fall from height","Platform use","Harness","High"],
["Tool drop","Tool lanyard","Helmet","Medium"],
["Finger injury","Proper tools","Gloves","Medium"],
["Misalignment","Level check","Safety shoes","Low"]
],
"confined space entry": [
["Oxygen deficiency","Gas testing","Gas detector","High"],
["Toxic gases","Ventilation","SCBA","High"],
```

```
["Engulfment","Entry permit","Harness","High"],
["Poor visibility","Lighting","Helmet","Medium"],
["Rescue failure","Standby team","Harness","High"]
],
"tank cleaning": [
["Chemical exposure","MSDS compliance","Chemical suit","High"],
["Toxic fumes","Forced ventilation","SCBA","High"],
["Slip inside tank","Anti-slip boots","Safety shoes","Medium"],
["Fall during entry","Tripod system","Harness","High"],
["Heat stress","Work-rest cycle","Cooling vest","Medium"]
],
"painting work": [
["Solvent inhalation","Ventilation","Respirator","Medium"],
["Fire hazard","No ignition source","Fire extinguisher","High"],
["Fall","Stable platform","Helmet","Medium"],
["Skin contact","Protective clothing","Gloves","Medium"],
["Eye splash","Eye protection","Goggles","Medium"]
],
"blasting work": [
["Premature blast","Licensed blaster","Helmet","High"],
["Flying fragments","Safe distance","Face shield","High"],
["Ground vibration","Blast design","Helmet","Medium"],
["Noise","Hearing protection","Ear plugs","High"],
["Misfire","Re-entry delay","Helmet","High"]
],
"cutting operation": [
["Blade contact","Machine guarding","Cut-resistant gloves","High"],
["Flying sparks","Spark guard","Face shield","Medium"],
["Noise","Hearing protection","Ear plugs","Medium"],
["Fire risk","Fire extinguisher","Fire blanket","High"],
["Eye injury","Eye protection","Goggles","Medium"]
],
"grinding operation": [
["Wheel burst","RPM check","Face shield","High"],
["Flying particles","Guarding","Goggles","High"],
["Hand injury","Firm grip","Gloves","Medium"],
["Noise","Hearing protection","Ear plugs","Medium"],
["Fire spark","Spark containment","Fire extinguisher","Medium"]
],
"drilling operation": [
["Bit break","Proper selection","Goggles","Medium"],
["Entanglement","No loose clothing","Gloves","High"],
["Flying chips","Chip guard","Face shield","Medium"],
["Noise","Hearing protection","Ear plugs","Low"],
```

```

    ["Hand fatigue","Tool rest","Safety shoes","Low"]
  ],
  "welding work": [
    ["Arc radiation","Welding helmet","Welding helmet","High"],
    ["Burn injury","Protective clothing","Welding gloves","High"],
    ["Fire hazard","Fire watch","Fire extinguisher","High"],
    ["Fume inhalation","Local exhaust","Respirator","Medium"],
    ["Electric shock","Proper earthing","Insulated gloves","High"]
  ],
  "gas cutting": [
    ["Gas leakage","Leak test","Gas detector","High"],
    ["Flashback","Flashback arrestor","Welding gloves","High"],
    ["Fire","Fire watch","Fire extinguisher","High"],
    ["Burn","Protective clothing","Apron","High"],
    ["Fume inhalation","Ventilation","Respirator","Medium"]
  ],
  "shot blasting": [
    ["Dust inhalation","Dust collector","Respirator","High"],
    ["Noise","Acoustic enclosure","Ear plugs","High"],
    ["Eye injury","Eye protection","Goggles","High"],
    ["Rebound particles","Protective suit","Blast suit","High"],
    ["Slip","Clean floor","Safety shoes","Low"]
  ]
};

```

```

function unlock() {
  const code = document.getElementById("accessCode").value.trim();
  const today = new Date().toISOString().split("T")[0];

  if (accessDB[code] && today <= accessDB[code]) {
    document.getElementById("lockBox").style.display = "none";
    document.getElementById("content").classList.remove("hidden");
  } else {
    alert("Invalid or expired access code");
  }
}

```

```

function search() {
  const input = document.getElementById("activityInput").value.trim().toLowerCase();
  const data = HAZARD_DB[input];

  const body = document.getElementById("resultBody");
  body.innerHTML = "";
}

```

```
if (!data) {
  body.innerHTML = "<tr><td colspan='4'>No results found. Try another activity.</td></tr>";
  return;
}

for (const row of data) {
  const tr = document.createElement("tr");
  row.forEach(cell => {
    const td = document.createElement("td");
    td.textContent = cell;
    tr.appendChild(td);
  });
  body.appendChild(tr);
}

// PWA Service Worker Register
if ("serviceWorker" in navigator) {
  navigator.serviceWorker.register("sw.js")
    .then(() => console.log("HIRA App Ready (Offline Enabled)"))
    .catch(err => console.log("SW error", err));
}
</script>
</body>
</html>
```