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|  | STAGE INSPECTION CHECK LIST FOR  FIXED & WITHDRAWABLE MODULES | Format. No: LVS/QA/F-011  Rev. No: 02  Date: {date} |

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| Project Name: {projectname} | Schematic No: {schematicno} |
| Switchboard Name:{switchboardname} | KW & Amps Rating: {kwampsrating} |
| Module Size /Type: {modulesizetype} | Module Location: {modulelocation} |
|  | Date: {date} |

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| **MODULE WISE SHORTAGES LIST** | | | | |
| SL.NO | ITEM CODE | DESCRIPTION | MAKE | QUANTITY |
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| **SL.NO** | **OBSERVATIONS** |
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| **SL.NO** | **CHECK PONITS** | **STATUS /x** | **REMARKS** |
| 1.00 | **STAGE-1 : ASSEMBLY OF ELECTRICAL & MECHANICAL COMPONENTS** |  |  |
| 1.01 | Mechanical assembly of module parts as per ME bill of materials i.e. MBOM | {cp101} | {remarks101} |
| 1.02 | All power & auxiliary equipment in modules are of correct spec.as per drg.BOQ/SLD/WIRING SCHEMES | {cp102} | {remarks102} |
| 1.03 | All equipment fitted are visually intact (no physical damage) | {cp103} | {remarks103} |
| 1.04 | Din rail channel mounting is straight and end clamps provided as required | {cp104} | {remarks104} |
| 1.05 | Draw out /fixed control terminals provided as per requirement | {cp105} | {remarks105} |
| 1.06 | Spare terminals provided as per scheme drawing | {cp106} | {remarks106} |
| 1.07 | Draw out /fixed control terminals are identified as per approved drawings with markers | {cp107} | {remarks107} |
| 1.08 | Group marking on end clamps provided | {cp108} | {remarks108} |
| 1.09 | Wire trough fitting is straight and provided required length | {cp109} | {remarks109} |
| 1.10 | End clamps provided as required | {cp110} | {remarks110} |
| 1.11 | All components identified with self adhesive yellow stickers | {cp111} | {remarks111} |
| 1.12 | Ring inscription nameplates for lamps/push buttons provided as per drawing | {cp112} | {remarks112} |
| 1.13 | Phase barrier for MCCBs are fitted | {cp113} | {remarks113} |
| 1.14 | Proper space is available for routing power and control wiring | {cp114} | {remarks114} |
| 1.15 | Component terminals are easily accessible without any hindrance | {cp115} | {remarks115} |
| 1.16 | Gaskets are provided at sharp edges | {cp116} | {remarks116} |
| 1.17 | Screws of correct size and lengths are used | {cp117} | {remarks117} |
| **2.00** | **STAGE-2 CONTROL & POWER WIRING OF FIXED & WITHDRAWABLE MODULES** |  |  |
| 2.01 | Control cable type, make, size & color provided as per project requirement | {cp201} | {remarks201} |
| 2.02 | Correct ferrules provided at equipment terminals as per wiring scheme /Table diagram | {cp202} | {remarks202} |
| 2.03 | Control wire crimping done with pin-type/ring-type, insulated lugs as required | {cp203} | {remarks203} |
| 2.04 | 3 KV power wire of correct size provided at incoming terminals of SCPD | {cp204} | {remarks204} |
| 2.05 | Power cable type ,make & size provided as per KV/KVA/A rating | {cp205} | {remarks205} |
| 2.06 | Incoming and outgoing draw out power contacts of correct amps rating provided. Phase identification colored sleeves provided for power wiring at equipment. Terminal inside | {cp206} | {remarks206} |
| 2.07 | Module are uniform and correct length | {cp207} | {remarks207} |
| 2.08 | Power wire crimping done with right crimping tool and with correct size lugs | {cp208} | {remarks208} |
| 2.09 | Wire dressing & clamping of wire bunches inside feeders nearly done without excess length s or short lengths | {cp209} | {remarks209} |
| 2.10 | Power & control terminal connections properly tightened at all places | {cp210} | {remarks210} |
| 2.11 | Pull checks carried out on wires after terminations | {cp211} | {remarks211} |
| 2.12 | Wire bunch of module not fouling with panel structure during withdrawal of modules | {cp212} | {remarks212} |
| 2.13 | Wiring spiral is provided on the wire bunch between the module and door | {cp213} | {remarks213} |
| 2.14 | Incoming side live parts are shrouded | {cp214} | {remarks214} |
| 2.15 | Terminal link shorting done as per wiring diagram/terminal plan drawings | {cp215} | {remarks215} |
| 2.16 | External resistance of relays correctly provided & properly supported | {cp216} | {remarks216} |
| 2.17 | CT star point is earthed with 2.5 sqmm. Yellow/Green wire | {cp217} | {remarks217} |
| 2.18 | Doors are earthed with 2.5 sqmm. Yellow/Green wire (Applicable only for equipment mounted doors) | {cp218} | {remarks218} |
| **3.00** | **STAGE-3 MODULE FINAL ASSY/INSERTION & FIXED MODULE DOOR WIRING** |  |  |
| 3.01 | Module doors assembly as per ME BOM and engineering inputs | {cp301} | {remarks301} |
| 3.02 | Door drive mechanism alignment check | {cp302} | {remarks302} |
| 3.03 | Module lifting handles fitted ≥ 16E | {cp303} | {remarks303} |
| 3.04 | WD modules tested separately and found ok as per scheme drawings | {cp304} | {remarks304} |
| 3.05 | Modules are cleaned properly before moving to panel area | {cp305} | {remarks305} |
| 3.06 | Withdrawable module power contacts greasing done | {cp306} | {remarks306} |
| 3.07 | Modules are inserted at right location as per GA | {cp307} | {remarks307} |
| 3.08 | Module insertion & withdrawal smooth properly done | {cp308} | {remarks308} |
| 3.09 | Module interchangeability check for the same size & rating modules | {cp309} | {remarks309} |
| 3.10 | Proper engagement of draw out control terminals | {cp310} | {remarks310} |
| 3.11 | Module wise Sr.No’s of all major electrical components noted | {cp311} | {remarks311} |
| 3.12 | Module wise shortage list of components and materials prepared | {cp312} | {remarks312} |
| 3.13 | Proper mounting of metering & protection C.Ts and PT'S if any | {cp313} | {remarks313} |

**** = OK **X=** NOT OK **N.A** = NOT APPLICABLE

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| Checked by: Date: |