

Corrigendum 1 dated 24.07.2021 to Tender Specification BHEL: PSSR: SCT: 1966 for the work of Erection, testing, commissioning of LP Piping including handling at site stores / storage yard, transporting to site, inspection, pre-assembly, erection, alignment, welding, NDT, fixing of hangers & supports, chemical cleaning / pickling, oil flushing, water flushing, hydro testing & steam blowing, surface finish, supply & application of primer & finish paints including labeling & flow direction on the piping & hangers and supports, pre-commissioning, commissioning, trial operation & handing over to customer of LP Piping including Raw Water Piping System, Plant water system, DM Cooling Water System, Instrument & Service Air system, Plant Service Water and Portable Water System, Pumps & Misc Equipments, Hangers and Supports, Valves, Miscellaneous Equipments etc Unit -1 to Unit-5 of 5x800MW Yadadri TPS, Veerlapalem Village, Dameracherla Mandal, Nalgonda Dist, Telangana State

A. The following clauses are modified as below:

| Clause ref.  | Existing clause   | Revised as  |
|--|---|---|
| TCC VOLUME-IA<br>PART-I Notice<br>Inviting Tender<br>(NIT)<br>Clause 9 IV vii)       | Performance Evaluation for Activity Month shall be completed in Evaluation Month (i.e. month next to Activity Month) or in rare cases in Post Evaluation Month (i.e. month next to Evaluation Month) after approval from Competent Authority. In case scores are not acceptable, Contractor can submit Review Request to GM Site/ GM Project latest by 25th of Evaluation Month or 3 days after approval of score, whichever is later. However, acceptance/rejection of 'Review Request' solely depends on the discretion of GM Site/GM Project. After acceptance of Review Request, evaluation score shall be reviewed at site and the score after completion of review process shall be acceptable and binding on the contractor. | Performance Evaluation for Activity Month shall be completed in Evaluation Month (i.e. month next to Activity Month) or in rare cases in Post Evaluation Month (i.e. month next to Evaluation Month) after approval from Competent Authority. In case scores are not acceptable, Contractor can submit Review Request to GM Site/ GM Project latest by 27th of Evaluation Month or 5 days after approval of score, whichever is later. However, acceptance/rejection of 'Review Request' solely depends on the discretion of GM Site/GM Project. After acceptance of Review Request, evaluation score shall be reviewed at site and the score after completion of review process shall be acceptable and binding on the contractor. |
| Notice Inviting<br>Tender (NIT),<br>Annexure 1 A,<br>B. Technical<br>PQR, Note no. 2 | Completion date for achievement of the criteria specified above should be in the last 7 years ending on the 'latest date of Bid Submission' of Tender irrespective of date of start of work.  | Completion date for achievement of the criteria specified above should be in the last 7 years ending on the 'latest date of Bid Submission' of Tender irrespective of date of start of work. Completion date shall be reckoned from the "FY quarter of bid submission".<br><br>(for e.g.- Work completed on 01.01.2014 shall be considered even if latest date of bid submission is 20.03.2021).  |

| Clause ref.   | Existing clause  | Revised as   |
|---|--|--|
| TCC VOLUME-IA<br>PART-II<br>CHAPTER- 1 SI<br>No. 10 | <b>SI. No: 10</b><br>Existing format on Monthly Performance Evaluation of Contractor, as available in Form No F-15 of Volume ID Forms and procedure stands Deleted. Form No.- F-15 (Rev 02) is enclosed as Volume IA Part II Chapter 10. | Form No.- F-15 (Rev 02) enclosed as Volume IA Part II Chapter 10 stands deleted. Form No.- F-15 (Rev 03) along with Annexure-AA to Form 15 is enclosed herewith. |

Note:

- 1) All other conditions of the tender specification remain unchanged.
- 2) Bidders are requested to consider this corrigendum as part of tender specification and quote accordingly.

-Sd-  
Sreenath N G  
Dy. Manager / Subcontracts

## MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

Form No.: F-15 (Rev 03)

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| Project |  | Vendor         |           |                | Package/Unit   |   |
|---------|--|----------------|-----------|----------------|--|---|
| Sl. No. | Parameter for Measurement  | Classification | Max Score | Score Obtained | Measurement Key/Scheduled date   | Supporting Documents                                      |
| #1.01   | Cumulative number of days in the month, the nominated Quality Officer or his authorised nominee was not available  | QUALITY        | 1.5       |                | Quality Officer or his authorised nominee should be available for all the days of working at site  | Daily Log Book entry/Incident Registers/letter references |
| #1.02   | Number of instances of non- compliance wrt FQP, Standard Drawings, Specifications, E&C Manuals etc.  | QUALITY        | 1.5       |                | No deviation from FQP, Standard Drawings, Specifications, E&C Manuals etc. is allowed without BHEL Engineer's approval.                    | Daily Log Book entry/Incident Registers/letter references |
| #1.03   | Percentage submission of test certificates for batches of welding electrodes, cement, sand, aggregate, consumable, Paints etc. as applicable for this month OR In case of MM & MH package, monthly checks for Storage/Preservation of material.  | QUALITY        | 1         |                | Submission of 100% Test certificates for materials as per FQP is mandatory. MM & MH package: Storage/Preservation as per manual/procedure. | Daily Log Book entry/Incident Registers/letter references |
| #1.04   | Number of incidences of improper storage & preservation (not in accordance to the guidelines of BHEL MUs or approved FQP) of materials, consumables (viz. gases, welding electrodes & fluxes, fuel etc.) & bought-out items (paints, fasteners etc.) under the custody of the contractor   | QUALITY        | 1         |                | Total number of non-compliances  | Daily Log Book entry/Incident Registers/letter references |
| #1.05   | Rework/ Rejection instances in a month necessitated due to deviation from Standard Drawings /Specifications /Manuals /E&C procedures /FQPs or due to Poor Workmanship by contractor  | QUALITY        | 2         |                | Reworks/ Rejection should be as minimum as possible. Total number of reworks/ rejections due to reasons attributable to contractor.        | Daily Log Book entry/Incident Registers/letter references |
| #1.06   | Delay in preparation & submission of signed protocols / log sheets / site register / NDT test reports as per approved FQP/ Qualified Welder List along with photocopies of Welder ID cards / Welder Performance Evaluation records etc. in the month OR in case of MM / MH package reconciliation statement / verification report. | QUALITY        | 1         |                | Within 2 days of measurements taken or within first 3 working days of next month, as advised by BHEL Engineer                              | Daily Log Book entry/Incident Registers/letter references |
| #1.07   | Number of instances for Major equipment/product failure due to negligence/improper work/poor workmanship by contractor   | QUALITY        | 1         |                | No such event should happen  | Daily Log Book entry/Incident Registers/letter references |
| #1.08   | Total number of complaints received in the month on the quality of finish / aesthetics   | QUALITY        | 1         |                | Total number of non-compliances  | Daily Log Book entry/Incident Registers/letter references |

Name and Signature of BHEL Package In-charge

Name and Signature of Contractor

## MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

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| Project |   | Vendor         |           |                | Package/Unit   |   |
|---------|---|----------------|-----------|----------------|--|---|
| Sl. No. | Parameter for Measurement   | Classification | Max Score | Score Obtained | Measurement Key/Scheduled date   | Supporting Documents                                      |
| #2.01   | Cumulative number of days of delay in submission of Plan FOR THE MONTH supported by deployment plan of Major T&Ps and Manpower (as per Form F-14) and relevant construction/layout drawings - like A4 plan / elevation views of plan status for structures / pressure parts/Civil Works, Piping isometrics for piping, Layout / PID / System reference sketch, Unloading / storage plans etc.as applicable. | PERFORMANCE    | 5         |                | Number of days delayed from second working day of the month  | Daily Log Book entry/Incident Registers/letter references |
| #2.02   | Percentage of timely submission of Daily Reports for Progress of work, Resources, Consumables etc.  | PERFORMANCE    | 1.5       |                | Percentage of timely submission of daily reports/ Scheduled date is successive next day for each day | Daily Log Book entry/Incident Registers/letter references |
| #2.03   | Number of days delayed for submission of FQP log sheets / protocols / Monthly Progress Reports for the work executed during the month under measurement   | PERFORMANCE    | 1.5       |                | Number of days delayed/Scheduled date is first 2 working days of next month                          | Daily Log Book entry/Incident Registers/letter references |
| #2.04   | Percentage Shortfall attributable to contractor w.r.t. "Plan - Shortfall attributable to BHEL" for the month as per Form-14   | PERFORMANCE    | 35        |                | As per Part-A of Form-14   | Progress review formats                                   |
| #2.05   | Number of days delayed in submission of Running bills with complete supporting documents (including updated reconciliation statement of BHEL issued material) for the month   | PERFORMANCE    | 2         |                | Number of days delayed / Scheduled date is 7th day of next month                                     | Daily Log Book entry/Incident Registers/letter references |
| #2.06   | Number of times the Top Management of contractor did not respond to critical issues of site, for the month  | PERFORMANCE    | 1         |                | Total number of instances  | Daily Log Book entry/Incident Registers/letter references |
| #2.07   | Cumulative number of days in the month the works were stopped / refused on interpretation of contract clauses/scope due to tendency of taking undue advantage by interpreting contract clauses in their favour  | PERFORMANCE    | 2         |                | Cumulative number of days lost   | Daily Log Book entry/Incident Registers/letter references |
| #2.08   | Number of times rework was refused by contractor  | PERFORMANCE    | 1         |                | Total number of non-compliances  | Daily Log Book entry/Incident Registers/letter references |

Name and Signature of BHEL Package In-charge

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## MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

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| Project | Vendor  |                               |           | Package/Unit   |   |   |
|---------|---|-------------------------------|-----------|----------------|---|---|
| Sl. No. | Parameter for Measurement   | Classification                | Max Score | Score Obtained | Measurement Key/Scheduled date  | Supporting Documents                                      |
| #2.09   | Cumulative number of days in the month recording / logging was not done in daily log / history register / hindrance register / soft form in a PC maintained at BHEL Site Office   | PERFORMANCE                   | 1         |                | Cumulative number of days recording or logging was not done / all days of the month | Daily Log Book entry/Incident Registers/letter references |
| #3.01   | Percentage of Manpower Deployed w.r.t. Plan for the month as per Form-14.   | RESOURCES                     | 7         |                | As per Part-B2 of Form-14   | Daily Log Book entry/Incident Registers/letter references |
| #3.02   | Percentage of T&P Deployed w.r.t. Plan for the month as per Form-14.  | RESOURCES                     | 7         |                | As per Part-B1 of Form-14   | Daily Log Book entry/Incident Registers/letter references |
| #3.03   | Cumulative number of major instances in the month hampering / affecting progress of work due to breakdown or non-availability of major T&P and MME for the work, under the scope of Contractor  | RESOURCES                     | 3         |                | Cumulative number of instances  | Daily Log Book entry/Incident Registers/letter references |
| #3.04   | Cumulative number of major instances in the month hampering / affecting progress of work due to non-availability of Consumables/ use of improper consumables under the scope of contractor  | RESOURCES                     | 3         |                | Cumulative number of instances  | Daily Log Book entry/Incident Registers/letter references |
| #4.01   | Number of non-compliances during the month for Statutory requirements like validity of Labour Licence, Insurance Policy, Labour Insurance, PF, BOCW Compliance etc. and any other applicable laws/ Regulation, Electrical Licence, T&P fitness certificate, Contractors' All Risk Policy etc. as applicable | SITE INFRASTRUCTURE & SERVICE | 1         |                | Total number of non-compliances   | Daily Log Book entry/Incident Registers/letter references |
| #4.02   | Cumulative number of days in a month poor illumination is reported at storage area, erection area, pre-assembly area and other designated areas by BHEL site.   | SITE INFRASTRUCTURE & SERVICE | 0.5       |                | Total number of non-compliances/random checks                                       | Daily Log Book entry/Incident Registers/letter references |
| #4.03   | Cumulative number of days of non-availability of well-maintained toilets facilities for workers (separate for men and women) and non-availability of potable drinking water stations for workers in specified areas.  | SITE INFRASTRUCTURE & SERVICE | 1         |                | Total number of non-compliances/random checks                                       | Daily Log Book entry/Incident Registers/letter references |

Name and Signature of BHEL Package In-charge

Name and Signature of Contractor

## MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

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| Project      |   | Vendor                        |           |                | Package/Unit   |   |
|--------------|---|-------------------------------|-----------|----------------|--|---|
| Sl. No.      | Parameter for Measurement   | Classification                | Max Score | Score Obtained | Measurement Key/Scheduled date                                       | Supporting Documents                                      |
| #4.04        | Total number of instances in the month, Housekeeping NOT attended to in spite of instructions by BHEL -i.e. removal / disposal of surplus earth / debris / scrap / unused / surplus cable drums / other electrical items / surplus steel items / packing materials, thrown out scrap like weld butts, cotton waste etc. from the working area to identified locations | SITE INFRASTRUCTURE & SERVICE | 2         |                | Total number of non-compliances/random checks                        | Daily Log Book entry/Incident Registers/letter references |
| #4.05        | Total number of instances in a month, Site Office with reasonably good facilities including enough nos. of computers and printers etc. for use by office and supporting staff was not made available/maintained.  | SITE INFRASTRUCTURE & SERVICE | 0.5       |                | No discrepancy during regular or surprise visits                     | Photograph and report of the Engineer                     |
| #5.01        | Number of days delayed in making labour payments for the last month   | SITE FINANCE                  | 2         |                | Number of days delayed / Scheduled date is 7th day of next month     | Daily Log Book entry/Incident Registers/letter references |
| #5.02        | Number of complaints from labour/ sub supplier/ sub-contractor for non-receipt of payments from contractor  | SITE FINANCE                  | 1.5       |                | Total number of complaints or reporting                              | Daily Log Book entry/Incident Registers/letter references |
| #5.03        | Number of times the site operations were hampered for want of funds at the disposal of site-in-charge.  | SITE FINANCE                  | 1.5       |                | Total number of non-compliances                                      | Daily Log Book entry/Incident Registers/letter references |
| #6.0         | Performance against HSE Parameters (as per Annexure-AA)   | HSE                           | 10        |                | Score as per Safety Performance Evaluation System, scaled down to 10 | Safety Performance Evaluation System                      |
| <b>Total</b> |   | <b>100</b>                    |           |                |  |   |

|  |  |
|--|--|
| Less Deduction in Score Due to Fatal Accidents attributable to the Contractor @ 20 points/ accident  |  |
| Less Deduction in Score Due to Major Accidents (Permanent Disability or bodily injury by which person injured is prevented to resume to work within 48 hours or more after accident,, Major Damage to Equipment etc.) attributable to the contractor @ 15 points/ accident |  |
| Less Deduction in Score Due to Minor Accidents attributable to the contractor @ 2 points/ accident   |  |
| Less Deduction in Score Due to not Maintaining of Labour Colony (if applicable) as per BHEL HSE policy @3 points in a month on verification any day  |  |
| <b>Final Score</b>   |  |

Name and Signature of BHEL Package In-charge

Name and Signature of Contractor

## MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

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| Project                                 | Vendor                    |                |                | Package/Unit   |                                |                      |
|---|---------------------------|----------------|----------------|----------------|--------------------------------|----------------------|
| Sl. No.                                 | Parameter for Measurement | Classification | Max Score      | Score Obtained | Measurement Key/Scheduled date | Supporting Documents |
| Performance Score Summary for the Month |                           | Total Score    | Score Obtained |                |                                |                      |
| QUALITY                                 |                           | 10             |                |                |                                |                      |
| PERFORMANCE                             |                           | 50             |                |                |                                |                      |
| RESOURCES                               |                           | 20             |                |                |                                |                      |
| SITE INFRASTRUCTURE & SERVICE           |                           | 5              |                |                |                                |                      |
| SITE FINANCE                            |                           | 5              |                |                |                                |                      |
| HSE                                     |                           | 10             |                |                |                                |                      |
| OTHERS (deductions if any)              |                           | 0              | -              |                |                                |                      |
| <b>TOTAL</b>                            |                           | <b>100</b>     |                |                |                                |                      |

## Note:

- 1) It is only indicative and shall be as per the online format issued by BHEL time to time.
- 2) No request will be entertained after specified date of current month w.r.t. changes requested in the scores of immediate previous month.

Name and Signature of BHEL Package In-charge

Name and Signature of Contractor

Monthly Safety Performance Evaluation of Contractor

| SL          | Parameter for Measurement  | M/O      | Wt       | Supporting Documents                                     |
|-------------|--|----------|----------|--|
| <b>1a</b>   | Induction training for new workers conducted through audio-visual medium & documented ?                          | <b>M</b> | <b>1</b> | Induction Training Records                               |
| <b>1b</b>   | Tool box talk conducted regularly as per plan, and documented?   | <b>M</b> | <b>1</b> | Toolbox Talk Records                                     |
| <b>1c</b>   | Contractor in charge and safety in charge attended safety meetings?  | <b>M</b> | <b>2</b> | Minutes of Meeting                                       |
| <b>1d</b>   | Whether observations in safety meetings are complied before next meeting?  | <b>M</b> | <b>2</b> | -do-   |
| <b>1e</b>   | Preparation and submission of Monthly HSE report within stipulated time  | <b>M</b> | <b>1</b> | Report submission date                                   |
| <b>1f</b>   | Preparation and submission of Incident/near-miss report and RCA Report (as applicable) within stipulated time    | <b>M</b> | <b>1</b> | Incident/ Near Miss Records                              |
| <b>1g</b>   | Carrying out Inspections and submission of Inspection reports within stipulated time                             | <b>M</b> | <b>1</b> | Inspection Records                                       |
| <b>1h</b>   | Regular Job Specific Training ensured for High Risk Workers (through audio-visual medium) as per plan            | <b>M</b> | <b>1</b> | Training & Attendance Records                            |
| <b>2a</b>   | Whether the contractor is registered under BOCW  | <b>M</b> | <b>2</b> | BOCW Registration Certificate                            |
| <b>2b</b>   | Availability of Qualified safety officer (1 for every 500 labour)  | <b>M</b> | <b>2</b> | Safety Officer qualification & experience records        |
| <b>2c</b>   | Availability of Qualified safety supervisor (1 for every 100 labour )  | <b>M</b> | <b>2</b> | Safety Officer qualification & experience records        |
| <b>2d</b>   | All the workers are provided and using safety helmets and safety shoes/gum boots                                 | <b>M</b> | <b>2</b> | PPE Issue Records, Inspection/ non-conformity records    |
| <b>2e</b>   | Housekeeping done on regular basis and scrap removal at site   | <b>M</b> | <b>1</b> | Housekeeping records, Inspection/ non-conformity records |
| <b>2f</b>   | Usage of Goggles/Face shields and Hand gloves for gas cutter and grinders  |          | <b>1</b> | PPE Issue Records, Inspection/ non-conformity records    |
| <b>2g</b>   | Wall openings & floor openings are guarded?  |          | <b>1</b> | Inspection/ non-conformity records                       |
| <b>2h</b>   | Adequate illumination provided in all working area?  |          | <b>1</b> | Inspection/ non-conformity records                       |
| <b>2i</b>   | Safety posters, sign boards and emergency contact numbers in all prominent location are displayed?               |          | <b>1</b> | Inspection/ non-conformity records                       |
| <b>2j</b>   | Availability of automatic reverse horns, Main horn, hook latches for Vehicles, mobile cranes, Hydras             |          | <b>1</b> | Inspection/ non-conformity records                       |
| <b>2k</b>   | Ban of carrying mobile phones to work place is implemented for workers   |          | <b>1</b> | Inspection/ non-conformity records                       |
| <b>2l</b>   | Availability of Tags & Inspection Certificates for Cranes of all capacities                                      |          | <b>1</b> | Master T&P List with internal & external test details    |
| <b>2l.2</b> | Availability of Tags & Inspection Certificates for Winches of all capacities                                     |          | <b>1</b> | Master T&P List with internal & external test details    |
| <b>2l.3</b> | Availability of Tags & Inspection Certificates, colour coding for Chain pulley blocks                            |          | <b>1</b> | Master T&P List with internal & external test details    |
| <b>2l.4</b> | Availability of Tags & Inspection Certificates for Vehicles - Trailers, Dozers, Dumpers, Excavators, Mixers etc. |          | <b>1</b> | Master T&P List with internal & external test details    |
| <b>2l.5</b> | Availability of Tags & Inspection Certificates for Welding machines, grinders, Drilling machines, etc.           |          | <b>1</b> | Master T&P List with internal & external test details    |

|       |   |   |   |
|-------|---|---|---|
| 2l.6  | Availability of Tags & Inspection Certificates, colour coding for Wire rope slings etc.                               | 1 | Master T&P List with internal & external test details |
| 2l.7  | Availability of Tags & Inspection Certificates for Batching plants  | 1 | Master T&P List with internal & external test details |
| 2m.1  | Use of Lifting Permit as per requirement  | 1 | Permit Records  |
| 2m.2  | Use of Height Permit as per requirement   | 1 | Permit Records  |
| 2m.3  | Use of Hot Work Permit as per requirement   | 1 | Permit Records  |
| 2m.4  | Use of Excavation permit as per requirement   | 1 | Permit Records  |
| 2m.5  | Use of Confined space work permit as per requirement  | 1 | Permit Records  |
| 2m.6  | Use of Grating removal and safety net removal permit as per requirement   | 1 | Permit Records  |
| 2m.7  | Use of Lockout-Tag out permit as per requirement  | 1 | Permit Records  |
| 2m.8  | Use of Radiography permit as per requirement  | 1 | Permit Records  |
| 2m.9  | Use of Night/ Holiday Work Permit as per requirement  | 1 | Permit Records  |
| 2m.10 | Use of Any other Applicable Permit as per requirement   | 1 | Permit Records  |
| 3a    | Material safety data sheet(MSDS) available for all chemicals and displayed in usage and storage area?                 | 1 | Inspection/ non-conformity records                    |
| 3b    | Spillages of oil/concrete and other chemical is controlled and cleaned by proper method in case of spill?             | 1 | Inspection/ non-conformity records                    |
| 3c    | Availability of adequate number of urinals in workplace and in elevations and maintained                              | M | 1   |
| 3d    | Availability of rest rooms for workers at site  | M | 1   |
| 3e    | Availability of Drinking water facility at work spot  |   | 1   |
| 3f    | Hygienic Labour colony is provided for workers.   |   | 1   |
| 4a    | Is heavy/complex critical lifting permit obtained for heavy, complex materials before handling/erection activity?     |   | 1   |
| 4b    | Whether area below lifting activities barricaded  |   | 1   |
| 4c    | Availability of experienced rigging foreman   |   | 1   |
| 4d    | Is agency is following proper storage and handling procedure as per manufacturer standard for all hazardous material? |   | 1   |
| 4e    | Are oxygen and acetylene cylinders are transported to work place from storage area in trolleys                        |   | 1   |
| 5a    | Whether all deep excavation has been protected by barrier   |   | 1   |
| 5b    | Sloping/benching & shoring provided for excavation as per requirement?  |   | 1   |
| 5c    | Proper access and egress provided for excavations?  |   | 1   |
| 5d    | Blasting is done in controlled manner?  |   | 2   |
| 6a    | Whether Electrical booth is equipped with Co <sub>2</sub> fire extinguishers and fire buckets filled with sand?       |   | 2   |
| 6b    | Availability of Illumination lamp in electric booth?  |   | 1   |
| 6c    | whether Caution Boards have been displayed?   |   | 1   |
| 6d    | Usage of Metal Plug top for all hand power tools ?  |   | 1   |
| 6e    | Usage of Insulated welding cables.  |   | 1   |
| 6f    | Electrical Booth/Distribution Board to be covered by proper Canopy.   |   | 1   |
| 6g    | Availability of functional & individual 30ma ELCB / RCCB and MCB for protection and conducting periodical check-up?   |   | 1   |
| 6h    | Double earthing for panel boards and all machinery & proper earth pit with regular inspection available?              |   | 1   |
| 6i    | Whether Electrician is qualified and experienced  |   | 1   |
| 6j    | Availability and usage of Rubber hand gloves by electrician?  |   | 1   |

|     |   |   |   |                           |
|-----|---|---|---|---------------------------|
| 7a  | Whether Scaffolding pipes made with steel or aluminium, are being used and checked periodically by experienced/ certified scaffolder?                         | 2 | Inspection/ non-conformity records                    |                           |
| 7b  | 8mm Stainless Steel wire rope with plastic cladding is provided for life line (Vertical / Horizontal) during height work?                                     | 2 | -do-  |                           |
| 7c  | Availability of emergency lighting in case of power failure   | 1 | -do-  |                           |
| 7d  | Whether all the openings are covered with Safety Nets made of fire proof Nylon?   | 1 | -do-  |                           |
| 7e  | Whether MS pipe rails around staircases & platforms in usage are provided with top, middle rails and toe guard ?  | 1 | -do-  |                           |
| 7f  | Whether Ladder with vertical life line /Fall arrestor is available to climb?  | 1 | -do-  |                           |
| 7g  | Whether all workers deployed for working at height have been issued height pass after undergoing vertigo test?  | 1 | Height Pass records                                   |                           |
| 7h  | Whether all workers deployed for height work / climbing ladder are provided and using Double lanyard safety belt?   | 1 | PPE Issue records, inspection/ non-conformity reports |                           |
| 7i  | Is all hand tools/Small material used by height workers is tied firmly to prevent fall?   | 1 | -do-  |                           |
| 8a  | Flash back arrestors for all gas cutting sets is available on Torch side and cylinder side  | 1 | Inspection/ non-conformity records                    |                           |
| 8b  | Oxygen/Acetylene/LPG cylinders not in use have caps in place and stored separately?   | 1 | -do-  |                           |
| 8c  | Availability of Face screen, Hand gloves, and Apron, for welders  | 1 | -do-  |                           |
| 8d  | Protection from falling hot molten metal during metal cutting / welding at height by providing GI sheet below the cutting area especially in fire prone areas | 1 | -do-  |                           |
| 9a  | Pre-employment medical check-up done for all workers and submitted?   | 1 | Medical check records                                 |                           |
| 9b  | Availability of first aid centre, with MBBS doctor(Own or Sharing basis)  | M | 2   | Attendance records        |
| 9c  | Availability of Ambulance facility 24 hours (Own or sharing basis)  | M | 2   | -do-                      |
| 9d  | Is First aid trained personnel's are available and their names are displayed at site?   | M | 1   | -do-                      |
| 9e  | Availability of Emergency vehicle at site   |   | 1   |                           |
| 9f  | Periodical medical check-up is conducted for all the workers and submitted?   |   | 1   | Medical check records     |
| 9g  | Availability of sufficient number of first aid box as per standard list and maintaining record  |   | 1   | Inspection records        |
| 10a | Availability of Fire extinguishers, buckets at all vulnerable points  |   | 2   | Fire extinguisher records |
| 10b | Periodic fire mock drill conducted?   |   | 1   | Fire, Mock drill records  |
| 10c | Are all flammable materials are stored separately?  |   | 1   |                           |
| 10d | Periodic grass cutting is done in material storage area?  |   | 1   |                           |
| 10e | Availability of 24V DC lighting in confined space work area   |   | 1   |                           |
| 10f | Availability of exhaust fan in confined space work area   |   | 1   |                           |

**Note:**

- M: Mandatory; O: Optional. Points other than mandatory can be excluded with appropriate justification (scope etc.) by BHEL. Score obtained in selected parameters divided by maximum possible score of selected parameters shall be multiplied by 10 for use in as per point Sl. no. # 6.0 as detailed at page 4 of Form F-15.
- There shall be deduction of marks from overall score for Fatal/ Major/ Minor Accidents and for not maintaining labour colony, as detailed at page 4 of Form F-15.