



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:MIS-Q2046:TCN-01

Date: 06-06-2020

Sub	Tender Change Notice (TCN) - 01	
Job	RATE CONTRACT FOR PROVIDING SAFETY MANAGEMENT SERVICES ALONG WITH MANPOWER FOR STRENGTHENING OF SAFETY CULTURE AND EFFECTIVE IMPLEMENTATION OF HEALTH, SAFETY AND ENVIRONMENT MANAGEMENT SYSTEM AT DIFFERENT PROJECT SITES OF BHEL POWER SECTOR.	
Ref	1.0	Tender no PSER:SCT:MIS-Q2046:20.
	2.0	BHEL's NIT, vide reference no PSER:SCT:MIS-Q2046:WFH:01 Date: 19-05-2020.
	3.0	Other References, if any.

With reference to above, following points/ documents, relevant to tender, may please be noted and complied with while submitting offer.

- 1) The clarifications to bidder's queries are attached at **Annexure-A**.
- 2) Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 3) All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

Dy. Manager (SCT)

Encl: As Above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : (033) 2339-8000/ 2339 8231

Sl. No.	Ref. Cl. of tender document	Existing provision	Bidder's query	BHEL's clarification
1	Vol- II & ID 4.3.8	Various digital initiatives, use of drones with necessary regulatory approval in consultation with BHEL for safety monitoring in this regard will also be done by the agency. Drone imaging and analysis of subsequent data is also to be done through software. Drone is to be arranged by the agency as per BHEL site requirement at free of cost during this contract.	Our Drone Operator is approved by DGCA, where we propose local approvals from Police Station / Owner of Land / local regulatory agencies, if required, in the scope of BHEL. We shall use our approved subcontractor for Drone Operation. Report Generation will be by our person and software. We consider that drone would be used to identify unsafe acts and unsafe conditions, if any, and also the critical and high-risk activities such as work at excessive height (which are rather difficult or not feasible to be monitored from the ground level). Please, provide the following information for price estimation : A) Estimated number of days for which use of drone is necessary at each site. B) Estimated number of mobs and demobs required for each site.	Requirement of drone has been removed all together from the contract. Hence, clause no. 4.3.8 stands deleted.
2	Vol- II & ID 4.3.12	Bidder to indicate necessary IT enabled tools to be deployed at site during engagement period (e-modules, videos on safety and operations, safety maturity survey tools for benchmarking, risk identification, dashboard software, digital monitoring etc.) to facilitate implementation. Hardware requirement (if any) to meet the above clauses requirements to be indicated by the party along with offer. However, same to be supplied by the party free of cost. Software tools & monitoring mechanism to assess the effectiveness of various interventions proposed should be detailed and clearly spelt out in the bid. Sample software output in support of aforesaid clauses/criteria are to be furnished along with tender documents.	We shall provide the hardware requirement in our Technical Proposal for smooth running of software. We are not aware the hardware availability to BHEL sites, hence we cannot assume the hardware requirement at various sites. Hence, we propose to keep the Hardware requirement (if any) in the scope of BHEL. Kindly confirm whether BHEL will be comfortable with Server Based Software or Cloud Based Software. Cloud based will be costlier than Server Based software. The rest is OK.	1. Proposal for keeping hardware requirement in the scope of BHEL is not accepted. Bidding agency has to provide all necessary hardware for smooth running of software, within quoted price. 2. BHEL will go for cloud-based software solution with following parameters. i. Number of users' registration: 1000 (minimum) ii. Concurrent users without loss of quality & speed: 150 (minimum) iii. Server location to be in India as per Govt of India guidelines iv. More than 99% up time v. Speed and quality of delivery to be at par with industry standards vi. Customer care through e-mails and phone. vii. <u>Data storage & protection:</u> a. Data to be stored for complete duration of contract and provided to BHEL at the end of contract. b. Data to be stored in encrypted format and accessed over secure connection only c. Data access logs to be available for all transactions d. Data confidentiality to be maintained (agreement to the effect to be signed) e. Data should be regularly backed up to avoid any data loss due to unforeseen situations. viii. Necessary Data Security Certifications as per applicable ISO and other Global standards to be ensured throughout the duration of the project ix. BHEL has the right to impose penalty as deemed fit for any deficiency in service.

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3	Vol- II & ID 4.3.13	Organizing motivational & safety promotional activities like street plays, campaigns & safety communications shall be done by the agency.	<p>We consider that the promotional and awareness material such as safety posters, banners, warning notices, etc. required for safety campaigns and the arrangements to display them, shall be in the scope of BHEL</p> <p>Identification of promotional and awareness materials and the locations of their display is in the scope of the bidding agency.</p>	Bidding agency shall plan and execute motivational and safety promotional activities. Material support will be provided by BHEL.
4	Vol- II & ID 4.3.14	Organizing HSE promotion activities like Tool Box talk, pep talks, Monthly HSE celebration, Periodic HSE review, putting up educative posters and banners, organizing house-keeping drive, walk-through by top officials, periodic health camps etc. Agency shall submit plans for tool Box Talks, Pep Talks, HSE Celebrations, HSE Review, House Keeping, safety walk-throughs, health camps and layouts for installation of posters/banners etc.	<p>We consider that the promotional and awareness material such as safety posters, banners, etc. required for safety campaigns and the arrangements to display them, shall be in the scope of BHEL</p> <p>Similarly, we also consider that deployment of doctors, nurses and other such medical professionals, as necessary and provision of medical supplies are in the scope of BHEL.</p> <p>The rest is OK.</p>	Agreed
5	Vol- II & ID 4.3.16	In contractor incubation centre (CIC), contractor selection, competency building-first time & periodical, contractor safety performance evaluation and intervention (through safety park, safety campaigns & safety passports) shall be done by the agency. Skill based training program should be done through CIC.	We propose that provision of safety park will be in the scope of BHEL. The rest is OK.	Safety park will be developed by BHEL. However, activities as mentioned has to be done by the bidding agency.
6	Vol- II & ID 4.3.17	Job Specific Training: Agency shall regularly organize job specific training programs for workers involved in hazardous activities like height, Hot work, Radiography, Confined Space, Deep Excavation, Heavy Lifting, Chemical handling, Handling of Electrical and Electronic circuits including high voltage and also in hazardous condition like uneven mud road, water accumulation, strong wind etc. Training calendar shall be submitted to individual BHEL Site in well advance.	<p>We consider that the equipment arrangements for practical demonstrations of skill training, if required, are in the scope of BHEL.</p> <p>The rest is OK.</p>	Agreed

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7	Vol- II & ID 4.3.18	Imparting HSE related skill training (in Hindi or any language followed by majority of workers) with certification (like certification for Scaffolders, Scaffolding supervisor, Scaffolding inspectors, Riggers, Operators etc.) and organizing mock drills on rescue, fire, first-aid, trauma and emergency response. A competency certificate to be issued to each participant by the agency. Agency shall submit skilled certificate training calendar to BHEL	<p>We consider that the equipment arrangements for practical demonstrations, for skill training, if required, are in the scope of BHEL.</p> <p>Similarly, we also consider that provision of material supplies and equipment required for organizing mock drills on rescue, fire, first aid, trauma and emergency response, are in the scope of BHEL.</p> <p>The rest is OK.</p>	Agreed
8	Vol- II & ID 4.3.21	Compliance with all HSE, occupational health, safety & environment rules and codes of the BHEL/owner, relevant provisions of applicable laws pertaining to the HSE of workmen, employees, plant and equipment as may be prescribed from time to time. In case of any non-conformity between statutory requirement and HSE Rules of the BHEL/owner referred above, the later shall be applicable unless the statutory provisions are more stringent.	<p>We consider that liasoning with statutory/ regulatory authorities, payment of fees, cess, levies, etc. and the payment of fees to be paid to the Competent Persons for examination and certification of lifting equipment and tackles, etc. as applicable, shall be beyond the scope of the agency.</p> <p>However, agency will assist BHEL for identification of and compliance with applicable safety regulations.</p>	Liasoning & payment of fees will be done by BHEL & its erection agencies. However, Bidding agency has to provide necessary guidance/ assistance for timely compliance of the same.
9	Vol- II & ID 4.3.28	Administering First-aid or CPR to victim by agency's manpower expeditiously and take further course of action including taking victim to Medical Centre. In case of fire and other emergency, they will operate the fire extinguishers, if called for and help take appropriate corrective and preventive measures like fighting fire or evacuation of people or materials etc.	<p>Local transportation is BHEL's responsibility as per the tender. Hence we consider that shifting victim to Medical center is in the scope of BHEL.</p> <p>Further, we also consider that the provision of the necessary material and equipment required to administer First-aid or CPR to victim is in the scope of BHEL.</p>	Material, equipment, vehicle are to be arranged by BHEL. Rest of the things are to be done by bidding agency.
10	Vol- II & ID 4.3.31	Close monitoring/ inspection of all works carried out at height including lifting/ placement/ erection of heavy structure/ equipment/ material at height and implementing control measures for safe execution of the same	We consider that the provision of safe and easy access for inspection of works at height, if required, is in the scope of BHEL	Agreed.
11	Vol- II & ID 4.3.34	To Ensure risk assessment / hazard spotting exercises are carried out on regular basis Preparation/monitoring/approval of Permit-to-work, HIRA & Method statement, JSA, lifting plan and development of auxiliary documents/ formats related to HSE plan. The agency personnel shall sign the documents on behalf of BHEL. Issue, renewal, closing and extension of permit on behalf of BHEL Safety for concerned site activities. Random checking of all other PTW on sample basis will be done by the agency.	<p>The lift plan is normally prepared by the execution team engaged in lifting operations. Hence, we propose to exclude design of lift plan from the scope of the bidding agency.</p> <p>The rest is OK.</p>	Rigging expert, to be engaged by the bidding agency, will have to guide the execution team in preparation of lift plan.

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12	Vol- II & ID 4.3.37	Designing and implementation of appropriate scaffolding conforming to codes, imparting training and guidance to scaffolders, scaffolding supervisors and certification of scaffolding Supervisors and inspectors. Critical scaffoldings to be certified by the agency's scaffolding inspector by signing the scaffolding tag. Random checking of all other scaffoldings on sample basis will be done by the agency. Temporary platforms, walkways & fixtures used at site shall also be part of scaffolding, for which regular inspection shall be carried out and corrective measures suggested	Normally scaffolding structures are designed by Structural Engineers. Hence we propose to exclude design of scaffold from the scope of the agency. The rest is OK	"Designing" in clause no. 4.3.37 is to be rephrased as "Guidance to agencies in designing"
13	Vol- II & ID 4.3.38	Designing and implementation of Lift Plan, imparting training, certification and guidance to riggers, rigging foreman, crane operators and signalman. Inspection before Critical and ODC Lift. The approval of lifting plan, riggers, signalman, operators of T&Ps to be accorded by the agency's person. Collection and monitoring of T&P certification data centrally and issue of alert for renewal of certification	The lift plan is normally prepared by the execution team engaged in lifting operations. Hence we propose to exclude design of lift plan from the scope of the agency. The rest is OK.	"Designing" in clause no. 4.3.38 is to be rephrased as "Guidance to agencies in designing"
14	Vol- II & ID 4.3.40	Inspection of electrical installation and booths and coordination & implementation of statutory requirements as per acts and rules. Site specific LOTO system (both electrical and non-electrical) shall be developed by agency and managed during various stages of commissioning activities.	We consider that provision of equipment for LOTO implementation, is in the scope of BHEL. The rest is OK	Agreed
15	Vol- II & ID 4.3.46	Agency has to follow applicable govt directives and/or BHEL HSE related Operation Control Procedures to prevent spread of Covid-19 virus at project sites as well as labour colonies, without any cost to BHEL.	We consider that provision of supplies of sanitation equipment, PPE, testing kits, soap, etc. and arrangements washing clothes and washing facilities, etc, for containment of spread of COVID 19, is in the scope of BHEL.	Agreed
16	Vol- II & ID 6.3	The bidder shall arrange unlimited mobile phone facility, camera, sufficient nos. of Laptop/ Desktop with provision of internet, Printer(s) along with cartridge, stationary etc. for the use of their personnel at site, at their own cost. Bidder shall ensure that safety personnel deployed by it, has smart phones so that they can take photos/videos promptly and also communicate immediately as per requirement of BHEL.	We consider that the agency needs to make available a printer along with necessary cartridges and stationary in the site office at every project site, The rest is OK.	Bidding agency has to provide a printer with necessary cartridges and stationaries along with other IT items for use of its personnel at site.

**FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)**

BHARAT HEAVY ELECTRICALS LIMITED,
Power Sector - Eastern Region,
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	RATE CONTRACT FOR PROVIDING SAFETY MANAGEMENT SERVICES ALONG WITH MANPOWER FOR STRENGTHENING OF SAFETY CULTURE AND EFFECTIVE IMPLEMENTATION OF HEALTH, SAFETY AND ENVIRONMENT MANAGEMENT SYSTEM AT DIFFERENT PROJECT SITES OF BHEL POWER SECTOR.	
Ref	1.0	Tender no PSER:SCT:MIS-Q2046:20
	2.0	BHEL's NIT, vide reference no PSER:SCT:MIS-Q2046:WFH:01 Date: 19-05-2020.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:MIS-Q2046:TCN-01, Date: 06-06-2020.
	4.0	All other pertinent issues till date.

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized
representative of the bidder)

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION DJ-9/1, SECTOR-II, SALT LAKE CITY, KOLKATA - 700 091

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