**Work Description -** Civil, Structural and Architectural Works for Compressed Air System ,Fire Protection System including Pump Houses, Fuel Oil System including Day Oil Tank and Pump House, Chemical Lab, Ammonia Unloading & Storage, H2 Cylinder Storage Shed, Raw Water System including Pump House ,Fire Protection and Detection System, HVAC System including Air Washer Building, Security cum Main Gate Complex, Parking sheds for four wheelers and two wheelers, Main Plant and Peripheral Roads & Drains (Cast In-Situ, Pre-cast drains), Levelling & Grading, Pipe & Cable rack, paving and Miscellaneous works at 1X800 MW DCRTPP Yamuna Nagar, Haryana.

#### A) Following Clauses of Technical Condition of Contract (TCC) are modified as below;

Sl. No.	Reference clause of TCC	Existing Clause	Revised Clause
1	2.8.1	Required experienced Engineers and Supervisors in sufficient numbers for execution of the site works and other functions like quality, safety, store & purchase, material management, planning, finance, administration etc. are to be provided as per site requirement. However, tentative staff requirement is as below:  A - Civil Works:  1. Project Manager – 01 Head with 15 Years' experience in Industrial Foundation, Building & Power Plant Civil & Architectural Works etc.  2. Asst. Project Managers – 01 Heads with 12 Years' experience in Industrial Foundation, Building & Power Plant Civil & Architectural Works  3. Minimum 2 years Experienced Civil Engineers – 04 nos.  4. Experienced Foreman / Supervisors – 10 nos.  5. Planning & Billing Engineers – 02 nos.  6. Stores, Gate Pass – 01 nos.  7. Accounts & Administration – 01 nos.  8. Quality Control Engineer – 02 nos.  9. Safety Engineer – As per HSE Plan  10. Surveyor – 02 head capable to handle total station  11. Operator, Licensed Electrician, Mechanic - Minimum 2 Nos  12. Security Guards (Round the Clock) – As per requirement.	Required experienced Engineers and Supervisors in sufficient numbers for execution of the site works and other functions like quality, safety, store & purchase, material management, planning, finance, administration etc. are to be provided as per site requirement. However, tentative staff requirement is as below:  A - Civil Works:  1. Project Manager/ Project In charge – 01 Head with minimum 15 Years' experience in Industrial Construction Projects preferably in Power Plant Civil & Architectural Works etc.  2. Asst. Project Managers – 01 Heads with minimum 12 Years' experience in Industrial Construction Projects preferably in Power Plant Civil & Architectural Works etc.  3. Experienced Civil Engineers – 04 heads (Minimum 2 years Experienced.)  4. Experienced Foreman / Supervisors – 10 heads (2 nos. for round the clock concreting activities, 2 nos. for centralized bar bending, 2 nos. for centralized formwork fabrication, balance 4 nos. for site supervision works)  5. Planning & Billing Engineers –02 heads (1 experienced head with 1 nos. engineer (considering civil and structural works, preparation of BOM, maintaining DPRs, BOI procurement plan and overall execution plan vis-a vis financial plan and material requirements)
		D 4 . C7	6. Stores, Gate Pass – 01 head

Sl. No.	Reference clause of TCC	Existing Clause	Revised Clause
		<ul> <li>Asst. Project Managers – 01 Heads with 12 Years' experience in Industrial Building &amp; Power Plant Civil/ Structural Works</li> <li>Minimum 2 years Experienced Civil/ Structural Engineers – 02 nos.</li> <li>Experienced Foreman / Supervisors – 04 nos.</li> <li>Safety Engineer – As per HSE Plan</li> </ul>	<ul> <li>7. Accounts &amp; Administration – 01 head</li> <li>8. Quality Control Engineer – 02 heads (minimum 5 years of experience for contractor's scope of work at site.)</li> <li>9. Safety Engineer – As per HSE Plan</li> <li>10. Surveyor – 02 head capable to handle total station</li> <li>11. Operator, Licensed Electrician, Mechanic — Minimum 2 Nos.</li> <li>12. Security Guards (Round the Clock) – As per requirement.</li> <li>B – Site Fabrication &amp; Erection works:</li> <li>Asst. Project Managers – 01 Heads with minimum 12 Years' experience in Industrial Construction Projects preferably in Power Plant Civil/ Structural Steel Fabrication and Erection Works etc.</li> <li>Minimum 2 years Experienced Civil/ Structural Engineers – 02 nos.</li> <li>Experienced Foreman / Supervisors – 04 nos.</li> <li>Safety Engineer – As per HSE Plan</li> </ul>
2	2.8.3	Engineer/ supervisor for other functions like store & purchase, material management, planning, finance, administration etc. are to be provided as per site requirement, same is not considered in the above list	Engineer/ supervisor for other functions like purchase, material management, finance etc. are to be provided as per site requirement as the same is not considered in above list.
3	3.13.13	Contractor has to make their own arrangements for electricity requirement for labour colony at his own cost within quoted price.	Contractor has to make their own arrangements for electricity requirement for staff accommodations / other establishments outside the plant premises / BHEL's leased land premises at his own cost within quoted price.
4	9.3.2	The contractor shall take care of material issued by BHEL and shall protect the same from damage and weathering. a.)	The contractor shall take care of material issued by BHEL and shall protect the same from damage and weathering. a.)
5	9.4.8	No cement will be issued on free basis for bought out item like Hume pipe, Interlocking Paver block, fly ash brick, etc. or any other BOI which involves cement and is procured from outside of plant	pipe, Interlocking Paver block, fly ash brick, kerb stone etc. or any

Sl. No.	Reference clause of TCC	Existing Clause	Revised Clause	
		premises. However, cement for mortar for fixing of these items if required will be issued on free basis.	plant premises. However, cement for mortar for fixing of these items if required will be issued on free basis.	
6	9.5	<b>Issue of Reinforcement Steel and MS Round Bar (Earthing Rod)</b> . Refer Chapter-VI "Material Handling, Storage & Preservation" of SCC	Issue of Reinforcement Steel, MS Round Bar (Earthing Rod) and Structural Steel. Refer Chapter-VI "Material Handling, Storage & Preservation" of SCC	
7	9.6	Return of Cement and Reinforcement Steel and MS Round Bar (Earthing Rod). Refer Chapter-VI "Material Handling, Storage & Preservation" of SCC	Return of Cement, Reinforcement Steel, MS Round Bar (Earthing Rod) and Structural Steel.  Refer Chapter-VI "Material Handling, Storage & Preservation" of SCC	
8	9.7	<b>Consumption and Wastage of Cement and Reinforcement Steel and MS Round Bar (Earthing Rod)</b> .  Refer Chapter-VI "Material Handling, Storage & Preservation" of SCC	Consumption and Wastage of Cement, Reinforcement Steel, MS Round Bar (Earthing Rod) and Structural steel: Refer Chapter-VI "Material Handling, Storage & Preservation" of SCC	

## B) Following Item Descriptions of BOQ Cum Rate Schedule are modified as below;

Sl No	ST No	Existing Item Description	Revised Item Description
1	A2423	Providing and fixing in position <b>MS dowel bar</b> reinforcement including surface painted with bitumen and greasing, dowel end caps with cotton fills etc all complete as per specification, drawing and as directed by Engineer.	Providing and fixing in position <b>MS dowel bar</b> reinforcement including surface painted with bitumen and greasing, dowel end caps with cotton fills etc all complete as per specification, drawing and as directed by Engineer. (Supply of R/F steel in Contractor's scope)
		Payment Break-up: a) On receipt of material at site - 60% b) On complete execution as per item description - 40%	Payment Break-up: a) On receipt of material at site - 60% b) On complete execution as per item description - 40%
2	A2424	Providing, straightening, cutting, bending, placing in position at any level, binding in position of steel reinforcements of <b>TMT steel of grade Fe-500D / Fe-550D</b> confirming to IS:1786 including cost of binding wire, labour, scaffolding, transportation to & from stores etc all complete as per specification, drawing and as directed by Engineer.	Providing, straightening, cutting, bending, placing in position at any level, binding in position of steel reinforcements of <b>TMT steel of grade Fe-500D / Fe-550D</b> confirming to IS:1786 including cost of binding wire, labour, scaffolding, transportation to & from stores etc all complete as per specification, drawing and as directed by Engineer. (Supply of R/F steel in Contractor's scope)
		Payment Break-up:	Payment Break-up:
		a) On receipt of material at site - 60%	a) On receipt of material at site - 60%
		b) On complete execution as per item description - 40%	b) On complete execution as per item description - 40%

Sl No	ST No	Existing Item Description	Revised Item Description
3	A2425	Providing, straightening cutting, bending, placing in position at any level, binding in position of steel reinforcement of <b>mild steel reinforcements</b> including cost of binding wire, labour, scaffolding transportation to & from stores etc all complete as per specifications, drawings and as directed by Engineer.	Providing, straightening cutting, bending, placing in position at any level, binding in position of steel reinforcement of mild steel reinforcements including cost of binding wire, labour, scaffolding transportation to & from stores etc all complete as per specifications, drawings and as directed by Engineer. (Supply of R/F steel in Contractor's scope)
		Payment Break-up: a) On receipt of material at site - 60% b) On complete execution as per item description - 40%	Payment Break-up: a) On receipt of material at site - 60% b) On complete execution as per item description - 40%
4	A2426	Providing & installation of bitumen impregnated fibre board of specified thickness confirming to IS 1838 as joint filler including nailing, coating of both faces with coal tar pitch/bitumin etc. all complete as per specification, drawing and as directed by engineer.	Providing & installation of bitumen impregnated fibre board of <b>25mm</b> thickness confirming to IS 1838 as joint filler including nailing, coating of both faces with coal tar pitch/ bitumin etc. all complete as per specification, drawing and as directed by engineer.
		Payment Break-up: a) On receipt of material at site - 60% b) On complete execution as per item description - 40%	Payment Break-up: a) On receipt of material at site - 60% b) On complete execution as per item description - 40%

## C) Clause No. 15.0 of NIT is revised as below: -

Sl. No.	Clause No.	Existing in NIT	Revised As	
1	Sl. No. 15	Bidders shall submit Integrity Pact Agreement (Duly signed	Bidders shall submit Integrity Pact Agreement (Duly	
	"Integrity	by authorized signatory who signs in the offer), <b>if</b>	signed by authorized signatory who signs in the offer), <b>if</b>	
	Pact (IP)"	applicable, along with techno-commercial bid. This pact	applicable, along with techno-commercial bid. This pact	
		shall be considered as a preliminary qualification for further	shall be considered as a preliminary qualification for	
		participation. <u>The names and other details of</u>	further participation.	
		Independent External Monitor (IEM) for the subject	(7	
		tender is as given at Clause no. 1, Salient Features of NIT,	"Integrity Pact (IP)"	
		Sl. no. (xi) above.		
			(a) IP is a tool to ensure that activities and transactions	
			between the Company and its Bidders/ Contractors	

#### "Integrity Pact (IP)"

(a) IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

Sl. No.	IEM	Email
1.	Shri Bishwamitra Pandey, IRAS	iem2@bhel.in
	(Retd.)	
2.	Shri Mukesh Mittal, IRS (Retd.)	iem3@bhel.in

- (b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with technocommercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.
- (c) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

#### *Note:*

No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are as per Clause no. 1, Salient Features of NIT, Sl. No. (ix) above.

- are handled in a fair, transparent and corruption free manner.
- (b) In case of any complaint arising out of the tendering process, the matter may be referred to any of the below e-mail IDs:

i. iem1@bhel.in;

ii. iem2@bhel.in;

iii. iem3@bhel.in

As on date, the positions of Independent External Monitors (IEMs) are vacant in the Company. As and when the IEMs join based on due approval of the Competent Authority, any complaint(s) received will be shared with the IEMs.

(c) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three-part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification

#### <u>Note:</u>

No routine correspondence shall be addressed to the above email ids regarding the clarifications, time extensions or any other administrative queries, etc on the tender issued. All such clarification/issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are as per Clause no. 1, Salient Features of NIT, Sl. No. (ix).

D) Annexure-12 "CERTIFICATE OF SOLVENCY" of NIT is revised and attached as Annexure -A.

#### Note:

- 1) All other terms and conditions against this NIT shall remain unchanged.
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).

for BHARAT HEAVY ELECTRICALS LTD Manager/ SCT- CPC

**ANNEXURE - A** 

#### **CERTIFICATE OF SOLVENCY**

(To be given on Letter head of the Scheduled/Commercial Bank (excluding Cooperative Bank) duly certified (Signed & Stamped))

#### To whomsoever it may concern

This is to certify that M/s.	having their Registered Office at	is
solvent to the extent of ₹[Ar	nount in Words	_] as on date & on
the basis of information disclosed and reco	ords available with us and is deemed capable	of furnishing Bank
Guarantees of value equivalent to 50% of the	ne aforesaid Solvency Value.	
This certificate is issued at the request of M	l/s	
This certificate is issued without any risk / li of its officers.	ability or responsibility whatsoever on the part	of the Bank or any
Signature of authorised signatory with seal		
Name of Authorised Signatory of the bank		
Date of issue of Certificate	· :	
Address of the bank with IFSC code	:	
Email of the bank	:	

Phone no of the bank