Corrigendum - 13 dated 27/07/2026 to CPC Tender No. BHEL/CPC/TLB/EPC_AHP_MRHS/27/014

Corrigendum - 13 dated 27/07/2026 to CPC Tender No. BHEL/CPC/TLB/EPC_AHP_MRHS/27/014 for the work of "EPC PACKAGE FOR ASH HANDLING SYSTEM PACKAGE AND MILL REJECT HANDLING SYSTEM AT 3X800MW, NLC TALABIRA THERMAL POWER PROJECT, JHARSUGUDA, ODISHA".

A) Modification in NOTICE INVITING E-TENDER (NIT): The following clause of existing NIT is revised as below;

<table>
<tr><th>Sl. No.</th><th>NIT Reference Clause No. / Annexure</th><th>Existing clause in Tender</th><th>Revised clause</th></tr>
<tr><td>1</td><td>Sl. No. 9, Assessment of Capacity of Bidders, Sub-Clause IV: Explanatory note: Sl.no. (ii) Identified Packages (Unit wise)</td><td>
Table-1
<table>
<tr><th>Civil</th><th>Electrical and C&I</th><th>Mechanical</th></tr>
<tr><td>i).Enabling works
ii).Pile and Pile Caps
iii).Civil Works including foundations
iv).Structural Steel Fabrication & Erection
v).Chimney
vi).Cooling Tower
vii).Others (Civil)</td><td>i).Electrical
ii).C&I
iii).Others (Elect. and C&I)
iv).Electrical Enabling Works</td><td>i).Boiler & Aux (All types including CW Piping if applicable)
ii).Power Cycle Piping/Critical Piping
iii).ESP
iv).LP Piping
v).Steam Turbine Generator set & Aux
vi).Gas Turbine Generator set & Aux
vii).Hydro Turbine Generator set & Aux
viii).Turbo Blower (including Steam Turbine)
ix).Material Management
x).FGD
xi).ACC
xii).Others (Mechanical)</td></tr>
</table>
</td><td>
Table-1
<table>
<tr><th>Civil</th><th>Electrical and C&I</th><th>Mechanical</th><th>EPC Package</th></tr>
<tr><td>i).Enabling works
ii).Pile and Pile Caps
iii).Civil Works including foundations
iv).Structural Steel Fabrication & Erection
v).Chimney
vi).Cooling Tower
vii).Others (Civil)</td><td>i).Electrical
ii).C&I
iii).Others (Elect. and C&I)
iv).Electrical Enabling Works</td><td>i).Boiler & Aux (All types including CW Piping if applicable)
ii).Power Cycle Piping/Critical Piping
iii).ESP
iv).LP Piping
v).Steam Turbine Generator set & Aux
vi).Gas Turbine Generator set & Aux
vii).Hydro Turbine Generator set & Aux
viii).Turbo Blower (including Steam Turbine)
ix).Material Management
x).FGD
xi).ACC
xii).Others (Mechanical)</td><td>i). Engineering
ii). Supply</td></tr>
</table>
</td></tr>
</table>

Corrigendum - 13 dated 27/07/2026 to CPC Tender No. BHEL/CPC/TLB/EPC_AHP_MRHS/27/014

B) Modification in TECHNICAL CONDITIONS OF CONTRACT (TCC): The following clause of existing TCC is revised as below;

<table>
<tr><th>Sl. No.</th><th>TCC Clause No.</th><th>Existing clause in Tender</th><th>Revised clause</th></tr>
<tr><td>1</td><td>Annexure-2: -Broad Scope Matrix & Terminal points, Sl. No. 13</td><td>
<table>
<tr><th>Sl. No./ Chapter</th><th>Description</th><th>DESIGN/ ENGG</th><th>SUPPLY & ERECTION/ EXECUTION (CIVIL/ STR/ ARCH)</th><th>SUPPLY & ERECTION (MECH, ELEC, C&I)</th><th>TESTING / COMMISIONING</th><th>Remarks</th></tr>
<tr><td>13</td><td>Levelling and grading</td><td>Ash handling plant vendor</td><td>Ash handling plant vendor</td><td>Ash handling plant vendor</td><td>Ash handling plant vendor</td><td>Micro grading (+/- 500mm) shall be in vendor scope. Bidder to Refer Attached Levelling and Grading Report attached with tender document. (Annexure-15)</td></tr>
</table>
</td><td>
<table>
<tr><th>Sl. No./ Chapter</th><th>Description</th><th>DESIGN/ ENGG</th><th>SUPPLY & ERECTION/ EXECUTION (CIVIL/ STR/ ARCH)</th><th>SUPPLY & ERECTION (MECH, ELEC, C&I)</th><th>TESTING / COMMISIONING</th><th>Remarks</th></tr>
<tr><td>13</td><td>Levelling and grading</td><td>Ash handling plant vendor</td><td>Ash handling plant vendor</td><td>Ash handling plant vendor</td><td>Ash handling plant vendor</td><td>For identified area of AHP as marked in Annexure 18A (enclosed along with this corrigendum), Leveling and grading up to the Finished Ground Level (FGL) for the area shall be executed by the AHP EPC Vendor as part of its scope of work. 2,75,000 CUM of Suitable stacked earth shall be provided free of cost to Bidder within vicinity of approx. 1 KM from the location.

For other AHP areas Only Micro grading (+/- 500mm) shall be in AHP EPC vendor scope.</td></tr>
</table>
</td></tr>
</table>

Corrigendum - 13 dated 27/07/2026 to CPC Tender No. BHEL/CPC/TLB/EPC_AHP_MRHS/27/014

C) Modification in General Conditions of Contract (GCC): The following clause of existing GCC is revised as below;

Sl. No.	GCC Reference Clause No.	Existing clause in Tender	Revised clause
1	**2.12.3:** SECURED ADVANCE AGAINST MATERIAL BROUGHT TO SITE:	Secured advance on the security of materials (which are not combustible, fragile or perishable in nature) brought to the site but not yet incorporated in the works will be made up to 75% of Invoice value, or the 75% of the corresponding value of the materials determined on the basis of BOQ rates, whichever is less, subject to the condition that their quantities are not excessive and shall be used within a period of 90 days and subject to the stipulations, as mentioned below: **(i)** Contractor shall obtain prior permission of Engineer-in-charge before procurement of materials against which advance is being sought. Engineer-in-charge shall ensure formal approval of Construction Manager before communicating the permission to Contractor. **(ii)** Secured advance shall not be allowed/ payable for materials procured by Contractor before the date of such permission. **(iii)** Secured Advance shall be allowed only once against a single invoice. Multiple Secured Advance against single invoice is not allowed. **(iv)** Secured advance against materials shall be paid only against non-perishable items. Engineer-in-charge to ensure that such items are adequately covered under insurance cover (to be taken by the Contractor if not covered under BHEL Insurance Policy). **(v)** At any point of time, the unadjusted secured payments against material brought to site shall not be more than 5% of the Contract Value. **(vi)** The advance will be repaid from each succeeding Running bill(s) to the extent materials for which advance has been previously paid have been incorporated into the works. In any case, such advance payment shall be fully recovered maximum from 3-4 subsequent RA bills whether the material is consumed in the work or not. In absence of sufficient value of RA bills for making the required recovery, the Contractor shall deposit the balance amount. If the Contractor fails to deposit the total amount by the stipulated date, the recovery shall be made by encashing the Securities available with BHEL for the balance amount. **(vii)** Contractor has to give a formal deed of hypothecation, drawn up on non-judicial stamp paper under which the BHEL secures a lien on the materials and is safeguarded against losses, due to the contractor postponing the execution of the work or due to the shortage or misuse of materials and against the expenses incurred on their watch and safe custody.	**This clause stands deleted**

D) Modification in FORMS & PROCEDURES:

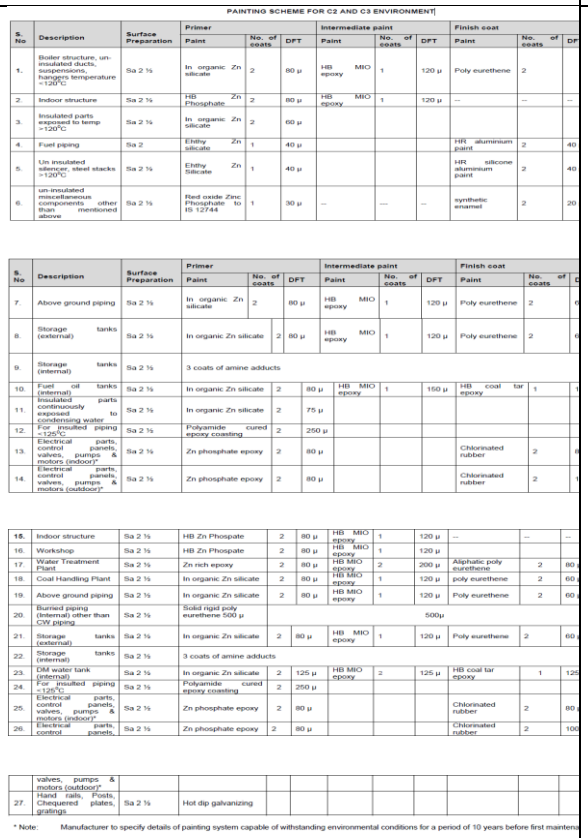
Sl. No.	SN/ Reference Clause No. / Annexure	Existing clause in Tender	Revised clause
1	SN 1.15, FORM NO F-15 (Rev 05)	Monthly Performance Evaluation of Contractor	The existing FORM NO F-15 (Rev 05) stands deleted. **Revised Form No.: F-15 (Rev 06): Monthly Performance Evaluation of Contractor is enclosed with this corrigendum.**

Corrigendum - 13 dated 27/07/2026 to CPC Tender No. BHEL/CPC/TLB/EPC_AHP_MRHS/27/014

E) Some of the Bidders had asked queries in the published tender specification. The clarifications issued by BHEL are as below;

Sl. No.	Section/ Clause No	Specification/ Existing Provision	Bidder's Query	BHEL Clarification
1	Annexure-02: Broad Scope Matrix & Terminal points for EPC PKG-Ash Handling Plant & Mill Reject Handling System	**S. No.: 13- Levelling and grading:** As per scope matrix, levelling and grading work shall be in the scope of Ash handling plant vendor. **Remarks:** Micro grading (+/- 500mm) shall be in vendor scope. Bidder to Refer Attached Levelling and Grading Report attached with tender document. (Annexure-15)	1. Bidder understands that levelling and grading is under scope of BHEL and only micro grading (+/- 500 mm) is under scope of Ash handling plant vendor. Please confirm whether bidder's understanding is correct or not. 2. If above understanding is correct, i.e., levelling and grading is under scope of BHEL, then *"backfilling, which is in BHEL scope, is requested to be done as per construction methodology and sequence (i.e. after completion of piling/piles caps, tie beams, columns and plinth beams etc.), which shall be required for Silos and other AHP area.*	1. Refer the modification in TCC as mentioned under Sl. No. B) above. 2. May be taken up with site during execution.
2	File Name: 33_Annexure - Technical specification (Section A) File Location: work_66011\19-Annexure-7-Part-10 S. No.: 4, Page No: 3 of 7 Volume IB (Section A)/Part II, Chapter I, **Cl. 4 Design Basis, Reinforcement**	All reinforcement steel used shall be Corrosion Resistant Steel (CRS) (Minimum grade Fe500) for Section A works. Binding wire for reinforcement shall be annealed steel wire 20 BWG conforming to IS: 280 "Specification for Mild Steel Wire". The number of strands shall be as per BIS specification.	Please confirm whether this requirement is applicable to the Ash Handling Plant (AHP).	Bidder to refer Volume II-G/1 & Volume II-G/2 of Technical specification, related corrigendum & amendments for details of reinforcement steel.

Corrigendum - 13 dated 27/07/2026 to CPC Tender No. BHEL/CPC/TLB/EPC_AHP_MRHS/27/014

Sl. No.	Section/ Clause No	Specification/ Existing Provision	Bidder's Query	BHEL Clarification
3	Vol. II-A/Section-XII/Sub-Section-B, Painting, Page:18 of 24 Annexure-I PAINTING SCHEME FOR C2 AND C3 ENVIRONMENT		Painting scheme for Ash Handling System (specially for Hydrobins/ Tanks/ Hoppers/ pipe rack/ equipment is not mentioned in the table. Please provide the Painting scheme for Ash Handling System.	Specification is clear. Bidder to refer NLC's specification and corrigendum

PAINTING SCHEME FOR C2 AND C3 ENVIRONMENT

S. No	Description	Surface Preparation	Primer			Intermediate paint			Finish coat		
			Paint	No. of coats	DFT	Paint	No. of coats	DFT	Paint	No. of coats	DF
1.	Boiler structure, un-insulated ducts, suspensions, hangers temperature <120°C	Sa 2 ½	In organic Zn silicate	2	80 µ	HB MIO epoxy	1	120 µ	Poly eurethene	2	
2.	Indoor structure	Sa 2 ½	HB Zn Phosphate	2	80 µ	HB MIO epoxy	1	120 µ	--	--	--
3.	Insulated parts exposed to temp >120°C	Sa 2 ½	In organic Zn silicate	2	60 µ						
4.	Fuel piping	Sa 2	Ethlly Zn silicate	1	40 µ				HR aluminium paint	2	40
5.	Un insulated silencer, steel stacks >120°C	Sa 2 ½	Ethlly Zn Silicate	1	40 µ				HR silicone aluminium paint	2	40
6.	un-insulated miscellaneous components other than mentioned above	Sa 2 ½	Red oxide Zinc Phosphate to IS 12744	1	30 µ	--	---	--	synthetic enamel	2	20

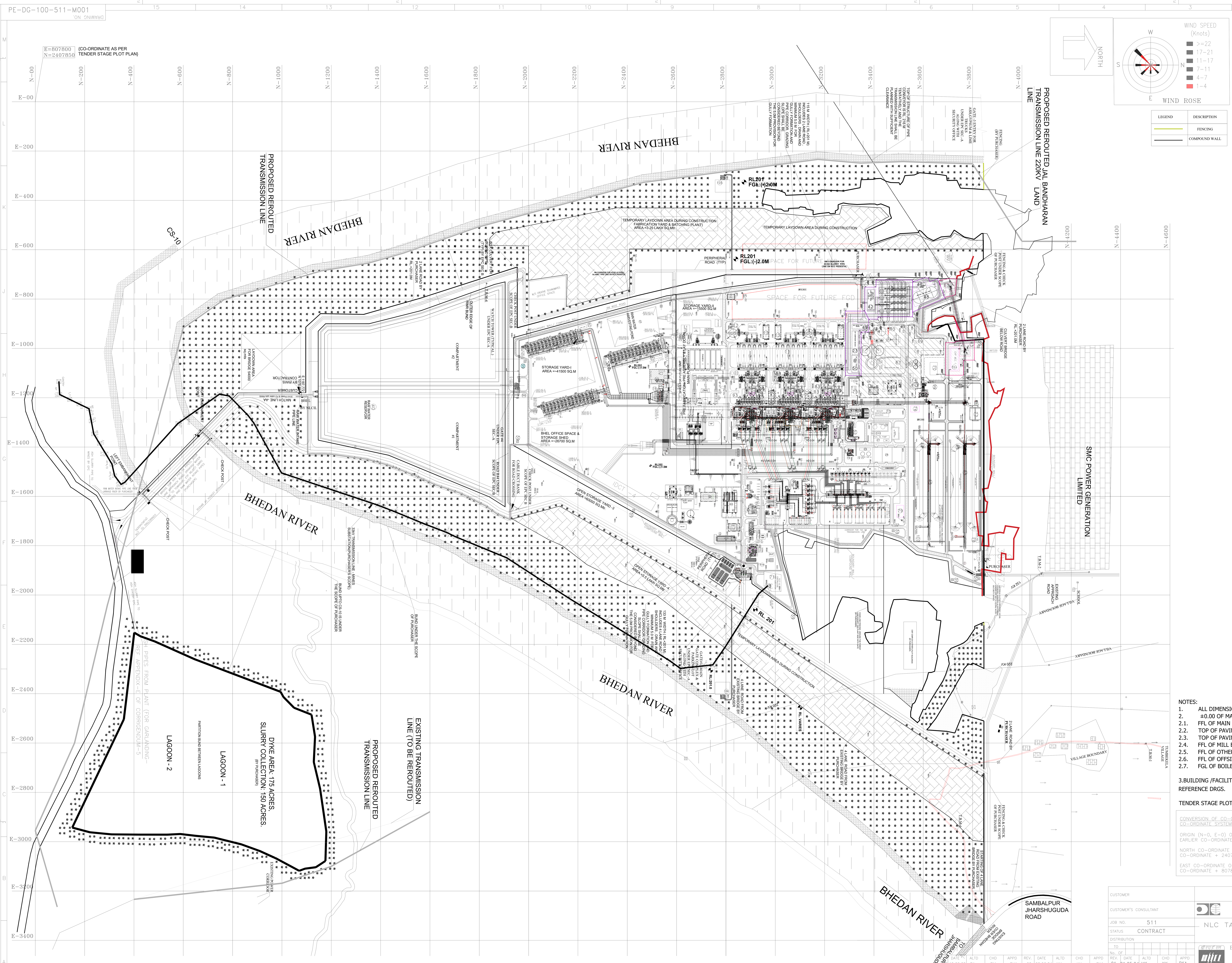
S. No	Description	Surface Preparation	Primer			Intermediate paint			Finish coat		
			Paint	No. of coats	DFT	Paint	No. of coats	DFT	Paint	No. of coats	D
7.	Above ground piping	Sa 2 ½	In organic Zn silicate	2	80 µ	HB MIO epoxy	1	120 µ	Poly eurethene	2	6
8.	Storage tanks (external)	Sa 2 ½	In organic Zn silicate	2	80 µ	HB MIO epoxy	1	120 µ	Poly eurethene	2	6
9.	Storage tanks (internal)	Sa 2 ½	3 coats of amine adducts								
10.	Fuel oil tanks (internal)	Sa 2 ½	In organic Zn silicate	2	80 µ	HB MIO epoxy	1	150 µ	HB coal tar epoxy	1	1
11.	Insulated parts continuously exposed to condensing water	Sa 2 ½	In organic Zn silicate	2	75 µ						
12.	For insulted piping <125°C	Sa 2 ½	Polyamide cured epoxy coasting	2	250 µ						
13.	Electrical parts, control panels, valves, pumps & motors (indoor)*	Sa 2 ½	Zn phosphate epoxy	2	80 µ				Chlorinated rubber	2	6
14.	Electrical parts, control panels, valves, pumps & motors (outdoor)*	Sa 2 ½	Zn phosphate epoxy	2	80 µ				Chlorinated rubber	2	1
15.	Indoor structure	Sa 2 ½	HB Zn Phospate	2	80 µ	HB MIO epoxy	1	120 µ	--	--	--
16.	Workshop	Sa 2 ½	HB Zn Phospate	2	80 µ	HB MIO epoxy	1	120 µ			
17.	Water Treatment Plant	Sa 2 ½	Zn rich epoxy	2	80 µ	HB MIO epoxy	2	200 µ	Aliphatic poly eurethene	2	80
18.	Coal Handling Plant	Sa 2 ½	In organic Zn silicate	2	80 µ	HB MIO epoxy	1	120 µ	poly eurethene	2	60
19.	Above ground piping	Sa 2 ½	In organic Zn silicate	2	80 µ	HB MIO epoxy	1	120 µ	Poly eurethene	2	60
20.	Burried piping (Internal) other than CW piping	Sa 2 ½	Solid rigid poly eurethene 500 µ					500µ			
21.	Storage tanks (external)	Sa 2 ½	In organic Zn silicate	2	80 µ	HB MIO epoxy	1	120 µ	Poly eurethene	2	60
22.	Storage tanks (internal)	Sa 2 ½	3 coats of amine adducts								
23.	DM water tank (internal)	Sa 2 ½	In organic Zn silicate	2	125 µ	HB MIO epoxy	2	125 µ	HB coal tar epoxy	1	125
24.	For insulted piping <125°C	Sa 2 ½	Polyamide cured epoxy coasting	2	250 µ						
25.	Electrical parts, control panels, valves, pumps & motors (indoor)*	Sa 2 ½	Zn phosphate epoxy	2	80 µ				Chlorinated rubber	2	80
26.	Electrical parts, control panels, valves, pumps & motors (outdoor)*	Sa 2 ½	Zn phosphate epoxy	2	80 µ				Chlorinated rubber	2	100
27.	Hand rails, Posts, Chequered plates, gratings	Sa 2 ½	Hot dip galvanizing								

* Note: Manufacturer to specify details of painting system capable of withstanding environmental conditions for a period of 10 years before first maintena

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
Dy. General Manager/ SCT

PE-DG-100-511-M001



ITEM No.	DESCRIPTION	ZONE
1	765kV GIS ROOM	G-7
2	400kV GIS ROOM	F-8
3	765kV,400kV & 33kV GIS COMMON CONTROL ROOM	G-8
4	C.W. DUCT CORRIDOR	G-8
5	TRANSFORMER YARD	G-8
6	DG SET	H-8
7	POWER HOUSE BUILDING	H-8
8	SERVICE BUILDING	H-7
9	BOILER UNITS	H-8
10	MILL BAY	H-8
11	ELECTROSTATIC PRECIPITATOR	H-8
12	CHIMNEY	J-8
13	E.S.P CUM FGD CONTROL ROOM	J-8
14	CPU REGENERATION FACILITY	H-6
15	DRY FLY ASH SILO & DEWATERING BIN (SPACE FOR FUTURE UNIT)	J-6
16	AUX. BOILER	G-7
17	STP AREA NEAR WATER POND	F-8
18	STP AREA NEAR LIMESTONE UNLOADING HOUSE	J-8
19	C.W. PUMP HOUSE	G-9
20	C.W. CHLORINATION CUM CHEMICAL TREATMENT BLDG.	G-9
21	COOLING TOWER (IDCT)	G-F/10/9/8
22	TOILET BLOCK FOR BOILER AREA	J-8
23	AHP COMPRESSOR BUILDING	J-7
24	WTP & ETP AREA	H-7/6
25	FIRE WATER TANK & F.W. PUMP HOUSE	G-7
26	F.O. TANKS	H-7
27	FUEL OIL PUMP HOUSE	H-7
28	PERMANENT STORE	G-7
29	CMB	H-7
30	SAFETY OFFICE CUM STORE	G-8
31	33kV GIS ROOM	G-8
32	FIRST-AID CENTER	G-8
33	WORKSHOP	G-9
34	FIRE STATION	F-8
35	LAYDOWN / PREASSEMBLY AREA	G/H/J-9
36	HYDROGEN GENERATION PLANT	J-10
37	MAIN GATE COMPLEX	F-8
38	THERMAL PROJECT BUILDING	F-8
39	WATCH TOWER	ALONG PHERIPHERAL ROAD/PLANT BOUNDARY
40	RAW WATER RESERVOIR	H-12
41	DRY FLY ASH SILO & DEWATERING BIN	J-6
42	SILO UTILITY BUILDING CUM HCSD PUMP HOUSE	J-6
43	CRUSHER HOUSE	H-6
44	CRUSHED COAL STOCK PILE	G-6
45	STACKER RECLAIMER	G-6
46	ASH WATER TRANSFER PUMP HOUSE	J-6
47	RAINWATER HARVESTING POND AND PUMP HOUSE	J-9
48	SETTLING CUM SLUDGE TANK	J-6
49	ASH WATER PUMP HOUSE	J-7
50	AHP MCC-1 CUM CONTROL ROOM	H-7
51	CANTEEN BUILDING	F-8
52	COMPRESSOR HOUSE	G-7
53	DELETED	J-7
54	CST & PUMP HOUSE	G-7
55	DELETED	J-7/8
56	DELETED	J-7/8
57	DELETED	J-8
58	DELETED	J-7
59	DELETED	J-8
60	DELETED	J-7
61	DELETED	J-7
62	DELETED/RESERVED	–
63	DELETED	J-7
64	DELETED	J-7
65	DELETED	J-7
66	DELETED/RESERVED	–
67	DELETED	J-7
68	FGD FILTRATE TANK & AGITATOR	J-7
69	DM PLANT AREA	H-6
70	AMMONIA STORAGE AND HANDLING SYSTEM	H-6
71	33/11KV CONSTRUCTION POWER SUBSTATION (CUSTOMER SCOPE)	F-8
72	NOT USED	–
73	BOILER MAINTENANCE BUILDING	H-7
74	SPACE FOR AIR WASHER	H-7/8
75	CHP MCC-2	H-7
76	PUMP CUM COMPRESSOR HOUSE FOR DSS/DFDS	H-6
77	COAL PILE RUN-OFF POND	H-6
78	DOZER SHED	F-5
79	CHP MAINTENANCE SHOP	G-6
80	TOILET BLOCK FOR CHP AREA	H-6
81	DELETED	J-8
82	IDCT SWITCHGEAR ROOM	G-F/10/9/8
83	FIRE WATER BOOSTER PUMP HOUSE	H-7
84	RESERVED	–
85	MINES TPS SUB STATION (MINES SCOPE)	J-6
86	BIOMASS HANDLING SYSTEM	H-6
87	CLARIFIED TANK AND CLARIFIED PUMP HOUSE	H-7
~~88~~	~~SIMULATOR BUILDING~~ (PART OF SERVICE BUILDING)	–
89	RESERVED	–
90	RESERVED	–
91	DM TRANSFER AND POTABLE WATER PUMP HOUSE	H-7
92	DM STORAGE TANK	H-6
93	MRS SILO	H-7/8
94	CHEMICAL BUILDING	J-7
95	PRE TREATMENT PLANT	J-7
96	RAW WATER PUMP HOUSE	H-11
97	RESERVED	–
98	AHP MCC-2	H-8
99	SLURRY PUMP HOUSE CUM AHP MCC-3/4/5	H-8/7
100	DELETED	J-8/7
101	DELETED	J-8
102	CHP MCC-1 CUM CONTROL ROOM	H-6
103	FOAM PUMP HOUSE	G-7
104	AMBIENT AIR QUALITY MONITORING STATION (AQMS-4NOS.)	–
105	RAIN WATER COLLECTION POND & P/H-1	K-8
106	RAIN WATER COLLECTION POND & P/H-2	D-9
107	WIND BARRIER AROUND COAL STOCKPILE	F-G/6/5
108	DRILL TOWER	F-8
109	CONSTRUCTION STORE	F-9

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN METERS.
2. ±0.00 OF MAIN PLANT AREA CORRESPONDS TO RL(+)203.0M.
2.1. FFL OF MAIN PLANT BUILDING IS EL. 0.00M .
2.2. TOP OF PAVING FOR BOILER / ESP AREA EL. (-) 0.20M .
2.3. TOP OF PAVING FOR TRANSFORMER YARD EL. (-) 0.10M .
2.4. FFL OF MILL BUNKER BUILDING AND CHIMNEY EL. 0.00M.
2.5. FFL OF OTHER BUILDINGS IN MAIN PLANT AREA EL. 0.00M .
2.6. FFL OF OFFSITE BUILDINGS 500 MM ABOVE FGL OF RESPECTIVE AREA.
2.7. FGL OF BOILER AND POWER HOUSE AREA SHALL BE RL 202.500M.

3.BUILDING /FACILITIES OTHER THAN BHEL SCOPE ARE SHOWN AS INDICATIVE ONLY. REFERENCE DRGS.

TENDER STAGE PLOT PLAN: 18A03-DWG-M-002A

CONVERSION OF CO-ORDINATES FROM PRESNT CO-ORDINATE SYSTEM TO EARLIER CO-ORDINATE SYSTEM SHOWN IN CUSTOMER PLOT PLAN OF TENDER STAGE:-

ORIGIN (N-0, E-0) OF PRESNT CO-ORDINATE CORRESPONDS TO (N-2407850, E-807800) OF EARLIER CO-ORDINATE SYSTEM

NORTH CO-ORDINATE OF ANY POINT IN EARLIER CO-ORDINATE SYSTEM = PRESENT NORTH CO-ORDINATE + 2407850

EAST CO-ORDINATE OF ANY POINT IN EARLIER CO-ORDINATE SYSTEM = PRESENT EAST CO-ORDINATE + 807800

PROGRESSIVE DATED 30.03.2026

REV.	DATE	ALTD	CHD	APPD
03P	15.09.25	RA	PM	BKA
02	22.06.24	MK	KK	BKA
01	21.05.24	MK	KK	BKA

03P:
01 REVISED INLINE WITH CUSTOMER REQUIREMENT TO SHIFT IDCT, CW PUMP HOUSE & RAIN WATER HARVESTING POND

02:
01 REVISED INLINE WITH COMMENTS RCVD. FROM CUSTOMER DTD.19.04.2024 & VC DATED 13.05.2024.

01:
01 REVISED INLINE WITH COMMENTS RCVD. FROM CUSTOMER DTD.19.04.2024
02 REVISED INLINE WITH RCVD. INPUT FROM ISG CHP/AHP FACILITIES.
03 REVISED INLINE WITH RCVD. INPUT FROM TBG

CUSTOMER: NLC INDIA LIMITED, NEYVELI, TAMILNADU

CUSTOMER'S CONSULTANT: DEVELOPMENT CONSULTANTS PVT LTD. CONSULTING ENGINEERS, KOLKATA MUMBAI CHENNAI NEW DELHI

JOB NO. 511

STATUS CONTRACT

DISTRIBUTION

TO

No. OF

NLC TALABIRA THERMAL POWER PROJECT (NTTPP) (3x800 MW PHASE-I)

BHARAT HEAVY ELECTRICALS LTD
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NOIDA

DEPT CODE		NAME	SIGN	DATE
M	DRN	MK	SD-	06.04.24
	DESN	MK	SD-	06.04.24
	CHD	KK	SD-	06.04.24
	APPD	BKA	SD-	06.04.24

TITLE: PLOT PLAN

DEPT. | SCALE: | SIGN | DATE

DRAWING NO. PE-DG-100-511-M001

SHEET 1 OF 1 REV. 03P

FORMAT SIZE A0

FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

ELECTRONIC FILE NAME:

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

A) For Civil / Mechanical / Electrical and C&I Package

Project		Vendor							Package/Unit	-		
SL	Parameter for Measurement	Classification	Level of Achievement						Measurement Key/ Scheduled Date	Supporting Documents	Max Score	Score Obtained
			0	1	2	3	4	5				
1.0 QUALITY											**10**	
1.01	Cumulative number of days in the month, the nominated Quality Officer or his authorised nominee was not available	QUALITY	≥ 1	NA	NA	NA	NA	0	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	1.5	
1.02	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	< 100 %	NA	NA	NA	NA	100 %	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	2	
1.03	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	>5	5	4	3	2	≤1	Total number of non-compliances	Daily Log Book entry/ Incident Registers/ letter references	1.5	
1.04	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	>5	5	4	3	2	≤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	1.5	
1.05	Number of instances for Major equipment/product failure due to	QUALITY	≥ 1	NA	NA	NA	NA	0	No such event should happen	Daily Log Book entry/ Incident	1.5	

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

Project		Vendor							Package/Unit	-		
SL	Parameter for Measurement	Classification	Level of Achievement						Measurement Key/ Scheduled Date	Supporting Documents	Max Score	Score Obtained
			0	1	2	3	4	5				
	negligence/improper work/poor workmanship by contractor									Registers/ letter references		
1.06	% failure against any test conducted during the month leading to rework/ loss of time/ money.	QUALITY	>8%	>6% <=8%	>4% <=6%	>2% <=4%	>0 <=2%	0	Failures due to reasons attributable to contractor should be as minimum as possible.	Test reports	2	
2.0 PERFORMANCE											**70**	
2.01	Percentage achievement for the month w.r.t. "Fresh Plan + Contractor Shortfall plan - Shortfall attributable to BHEL" as per Form-14.	PERFORMANCE	In proportion to % achievement (Ex. 50% achievement, score obtained=70*50/100=35)						As per Part-A of Form-14	Progress review formats	70	
3.0 RESOURCES & SITE MANAGEMENT											**5**	
3.01	Cumulative number of days of delay in submission of signed Plan FOR THE MONTH supported by deployment plan of Major T&Ps and Manpower (as per Form F-14 all sections) alongwith all supporting documents viz drawings/ layout plans/ piping schedule and other relevant documents as applicable for individual packages.	PERFORMANCE	>4	4	3	2	1	0	Number of days delayed from second working day of the month	Form 14/ letter references	1	
3.02	Cumulative number of days of delay in submission of signed Review FOR PREVIOUS MONTH supported by deployment plan of Major T&Ps and Manpower (as per Form F-14 all sections) alongwith all supporting documents viz drawings/ layout plans/ piping schedule and other relevant documents as applicable for individual packages.	PERFORMANCE	>4	4	3	2	1	0	Number of days delayed from 7th day of the month	Form 14/ letter references	1	

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

Project		Vendor							Package/Unit	-		
SL	Parameter for Measurement	Classification	Level of Achievement						Measurement Key/ Scheduled Date	Supporting Documents	Max Score	Score Obtained
			0	1	2	3	4	5				
3.03	Percentage of timely submission of Daily Reports for Progress of work, Resources, Consumables etc.	PERFORMANCE	<60 %	≥60 % < 70%	≥70 % < 80%	≥80 % < 90%	≥90 % < 95%	≥95 %	Percentage of timely submission of daily reports/ Scheduled date is successive next day for each day	Daily Log Book entry/ Incident Registers/ letter references	0.5	
3.04	Number of days delayed in submission of Running bills with complete supporting documents (including updated reconciliation statement of BHEL issued material) for the month, alongwith FQP log sheets / protocols / HR documents / Monthly Progress Reports for the work executed during the month under measurement	PERFORMANCE	>5	5	4	3	2	≤1	Number of days delayed / Scheduled date is 7th day of next month	Bill submission/ Letter references	0.5	
3.05	Percentage of Manpower Deployed w.r.t. Plan for the month as per Form-14.	RESOURCES	<50 %	> 50% ≤60 %	> 60% ≤ 70%	> 70% ≤ 80%	> 80% ≤ 90%	> 90 %	As per Part-B2 of Form-14	Progress review formats/ Daily Log Book entry/Incident Registers/letter references	1	
3.06	Percentage of T&P Deployed w.r.t. Plan for the month as per Form-14.	RESOURCES	<50 %	> 50% ≤60 %	> 60% ≤ 70%	> 70% ≤ 80%	> 80% ≤ 90%	> 90 %	As per Part-B1 of Form-14	Progress review formats/ Daily Log Book entry/Incident Registers/ letter references	1	
4.0 SITE INFRASTRUCTURE & SERVICE											**5**	

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

Project		Vendor							Package/Unit	-		
SL	**Parameter for Measurement**	**Classification**	**Level of Achievement**						**Measurement Key/ Scheduled Date**	**Supporting Documents**	**Max Score**	**Score Obtained**
			0	**1**	**2**	**3**	**4**	**5**				
4.01	a) 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 b) Number of days delayed in making labour payments for the last month by 7th of this month.	SITE INFRASTRUCTURE & SERVICE	≥ 1	NA	NA	NA	NA	< 1	Total number of non-compliances	Daily Log Book entry/ Incident Registers/ letter references	5	
5.0 HSE											**10**	
5.0	Performance against HSE Parameters (as per Annexure - AA of Form-15)	HSE									10	
		Total									**100**	

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

Final Score		
Performance Score Summary for the Month	**Total Score**	**Score Obtained**
QUALITY	10	
PERFORMANCE	70	
RESOURCES & SITE MANAGEMENT	5	
SITE INFRASTRUCTURE & SERVICE	5	
HSE	10	
Total	**100**	

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

B) For Engineering Package (Applicable for EPC Contract only)

Sl No	Parameter for Measurement	Level of achievement						Measurement Key/ Scheduled date	Supporting Documents	Max Score	Score Obtained
		0	1	2	3	4	5				
1.0	**Quality of Documents (Drawings, Datasheets, Schedules, QPs etc.)**									**30**	
1.1	Documents Approval as per MDL	>4	4	>3 & <4	>2 & ≤3	>1 & ≤2	≤1	Average Number of Revisions in Approval *[Sum of (Last Revision numbers X Respective number of Documents)/ Total number of Documents)]*	Daily Log Book entry / Letter references	**30**	
2.0	**Timely Submissions of Documents (Drawings, Datasheets, Schedules, QPs etc.)**									**70**	
2.1	Submission of Documents (including First Submissions, Re- Submissions) as per MDL	>10	>8 & ≤10	>6 & ≤8	>4 & ≤6	>0 & ≤4	0	Average Number of Days Delay from Schedule Dates *[(Sum of (Delay in Days X Respective number of Documents) / Total number of Documents)]*	Daily Log Book entry / Letter references	70	
Total										**100**	

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

C) For Supply Package (Applicable for EPC Contract only)

Sl No	Parameter for Measurement	Level of achievement						Measurement Key/Scheduled date	Supporting Documents	Max Score	Score Obtained
		0	1	2	3	4	5				
1.0	**Delivery**									**70**	
1.1	Timely submission of monthly plan for supplies	>8	4	>4 & ≤6	>2 & ≤4	>0 & ≤2	0	No. of days delayed (attributable to vendor) in submission of plan (from 5th of the month, i.e on 5th Jan for Jan month Plan).	Plan of dispatches	4	
1.2	Supply of materials as per agreed monthly plan.	Proportionate basis				60			Dispatch documents	60	
1.3	Replenishment of materials due to accident/ theft/damage etc. as per agreed schedule.	>20	2	>10 & ≤15	>5 & ≤10	>0 & ≤5	0	Average no. of days delayed from agreed schedule	As per site documents	2	
1.4	Supply of non BBU items if any without affecting erection work at site.	>20	4	>10 & ≤15	>5 & ≤10	>0 & ≤5	0	No. of days delayed from agreed schedule for erection requirement at site.	Relevant document	4	
2.0	**Quality**									**20**	
2.1	Ensure material readiness before raising inspection call.	>20	>15 & ≤20	>10 & ≤15	>5 & ≤10	>0 & ≤5	0	Percentage of no. of inspection calls postponed/ deferred on account of this w.r.t total no. of inspection call raised.	CQIR/ applicable documents	2	
2.2	Timely Raising of Inspection call	>8	>6 & ≤8	>4 & ≤6	>2 & ≤4	>0 & ≤2	0	No of Inspection calls delayed w.r.t agreed plan.	Mail/ inspection call data	3	
2.3	Non-conformities observed during inspection with respect to approved MQP, GA & DS	>20	>15 & ≤20	>10 & ≤15	>5 & ≤10	>0 & ≤5	0	Percentage of no. of cases of non-conformities w.r.t	Inspection reports	12	

MONTHLY PERFORMANCE EVALUATION OF CONTRACTOR

Sl No	Parameter for Measurement	Level of achievement						Measurement Key/Scheduled date	Supporting Documents	Max Score	Score Obtained
		0	1	2	3	4	5				
								total no of inspections.			
2.4	Receipt of materials by BHEL/Customer stores in proper packaged conditions as per contract	>4	>3 & ≤4	>2 & ≤3	>1 & ≤2	>0 & ≤1	0	Number of incident reported by BHEL/Customer in the month regarding improper packaging.	Incident reports/ Communications	3	
3.0	**Services**									**10**	
3.1	Timely submission of initial / revised billing break up	>20	2	>10 & ≤15	>5 & ≤10	>2 & ≤5	≤2	Average no. of days delayed from agreed schedule	As per site documents	2	
3.2	Timely submission of MRC	>20	2	>10 & ≤15	>5 & ≤10	>2 & ≤5	≤2	Average no. of days delayed from agreed schedule	As per site documents	2	
3.3	Timely submission of complete documents for providing MDCC (Test Certificate, Inspection report, QAP, compliance record etc) and Invoice	>20	6	>10 & ≤15	>5 & ≤10	>2 & ≤5	≤2	Average no. of days delayed from agreed schedule	As per site documents	6	
	Total									100	

Monthly Safety Performance Evaluation of Contractor

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

SL	Parameter for Measurement	M/O	Mx	Supporting Documents
2l.3	Availability of Tags & Inspection Certificates, color coding for Chain pulley blocks		1	Master T&P List with internal & external test details
2l.4	Availability of Tags & Inspection Certificates for Vehicles - Trailers, Dozers, Dumpers, Excavators. Mixers etc		1	Master T&P List with internal & external test details
2l.5	Availability of Tags & Inspection Certificates for Welding machines, grinders, Drilling machines, etc		1	Master T&P List with internal & external test details
2l.6	Availability of Tags & Inspection Certificates, color 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-Tagout 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 or alternative arrangement	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	Work Permit records
4b	Whether area below lifting activities barricaded		1	Inspection/ non-conformity records
4c	Availability of experienced rigging foreman		1	Experience details of rigging foreman
4d	Is agency is following proper storage and handling procedure as per manufacturer standard for all hazardous material?		1	Procedure for storage & handling
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	Inspection/ non-conformity records
5b	Sloping/benching & shoring provided for excavation as per requirement?		1	-do-

SL	Parameter for Measurement	M/O	Mx	Supporting Documents
5c	Proper access and egress provided for excavations?		1	-do-
5d	Blasting is done in controlled manner?		2	-do-
6a	Whether Electrical booth is equipped with Co_2 fire extinguishers and fire buckets filled with sand?		2	Inspection/ non-conformity records
6b	Availability of Illumination lamp in electric booth?		1	-do-
6c	whether Caution Boards have been displayed?		1	-do-
6d	Usage of Metal Plug top for all hand power tools?		1	-do-
6e	Usage of Insulated welding cables.		1	-do-
6f	Electrical Booth/Distribution Board to be covered by proper Canopy.		1	-do-
6g	Availability of functional & individual 30ma ELCB / RCCB and MCB for protection and conducting periodical check-up?		1	-do-
6h	Double earthing for panel boards and all machinery & proper earth pit with regular inspection available?		1	-do-
6i	Whether Electrician is qualified and experienced		1	Qualification & Experience records of electrician
6j	Availability and usage of Rubber hand gloves by electrician?		1	Inspection/ non-conformity records
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-

SL	Parameter for Measurement	M/O	Mx	Supporting Documents
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 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	

[Legend: M: Mandatory, **O:** Optional, **Mx**: Maximum Possible Score of the Parameter]

NOTE:

- 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 Sl. No. #6.0 as detailed on Page 4 of Form F15
- There shall be deduction of marks from overall score for Fatal/ Major/ Minor Accidents and for not maintaining labor colony as detailed on Page 4 of Form F15