

**CORRIGENDUM - 1 dated 28.07.2021 TO TENDER SPECIFICATION BHEL PSSR SCT 1975**

**Sub:** Erection, Testing, assistance for Commissioning and Trial Operation of Balance Works of Boiler & auxiliaries, Ducts & Dampers, Boiler Integral Piping, Fans, Bowl mills, Rotating Equipment's, its auxiliaries, supply and application of final Painting including Handling of Materials at BHEL / Client's Stores / Storage Yard and transportation to site at 1 x 800 MW North Chennai Stage III.

**A. Volume II Price Bid published in Tender BHEL PSSR SCT 1975 is revised.**

**Volume II Price Bid-Revision 01 of Tender BHEL PSSR SCT 1975 is attached with this Corrigendum (Encl: 1 - 12 pages), which will supersede the earlier Price Bid.**

**B. The following clauses are changed / modified as below:**

S No	Reference Clause No.	Existing clause	Modified As
1.	Sl. No C-1 Turnover in Annexure-1 of NIT under Sl. No C Financial	Turnover Bidders must have achieved an average annual financial turnover (Audited) of Rs.3,86,00,000/- (Rupees Three Crores Eighty-Six Lakh Only) or more over last three Financial Years (FY) i.e., 2017-2018, 2018-2019, 2019-2020.	Turnover Bidders must have achieved an average annual financial turnover (Audited) of Rs.3,78,00,000/- (Rupees Three Crores Seventy-Eight Lakh Only) or more over last three Financial Years (FY) i.e., 2017-2018, 2018-19, 2019-20.
2.	Clause 9 IV vii) of NIT	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	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 27th of Evaluation Month or 5 days after approval of score, whichever is later. However, acceptance/rejection of 'Review Request'

**CORRIGENDUM - 1 dated 28.07.2021 TO TENDER SPECIFICATION BHEL PSSR SCT 1975**

S No	Reference Clause No.	Existing clause	Modified As
		'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.	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.
3.	Sl. No. 7 of VOLUME-IA PART – II CHAPTER 1 of TCC - Corrections / Revisions in Special Conditions of Contract, General Conditions of Contract and Forms & Procedures	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.	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 03) is enclosed (Encl: 2 – 8 pages).

**NOTE:**

1. ALL OTHER CONDITIONS REMAIN UNCHANGED.
2. BIDDERS ARE REQUESTED TO CONSIDER THIS CORRIGENDUM AS PART OF TENDER SPECIFICATION AND QUOTE ACCORDINGLY.

Encl: 1. Volume II Price Bid-Revision 01 - 12 Pages  
2. Form No F-15 (Rev 03) – 8 Pages

-sd-  
R.Siva  
Dy. Manager/SCT

**TENDER SPECIFICATION  
BHEL: PSSR: SCT: 1975**

**FOR**

**Erection, Testing, assistance for Commissioning and Trial Operation of Balance Works of Boiler & auxiliaries, Ducts & Dampers, Boiler Integral Piping, Fans, Bowl mills, Rotating Equipment's, its auxiliaries, supply and application of final Painting including Handling of Materials at BHEL / Client's Stores / Storage Yard and transportation to site at 1 x 800 MW North Chennai Stage III.**

**VOLUME-II  
PRICE BID Revision-01**



**BHARAT HEAVY ELECTRICALS LIMITED**

**(A Government of India Undertaking)**

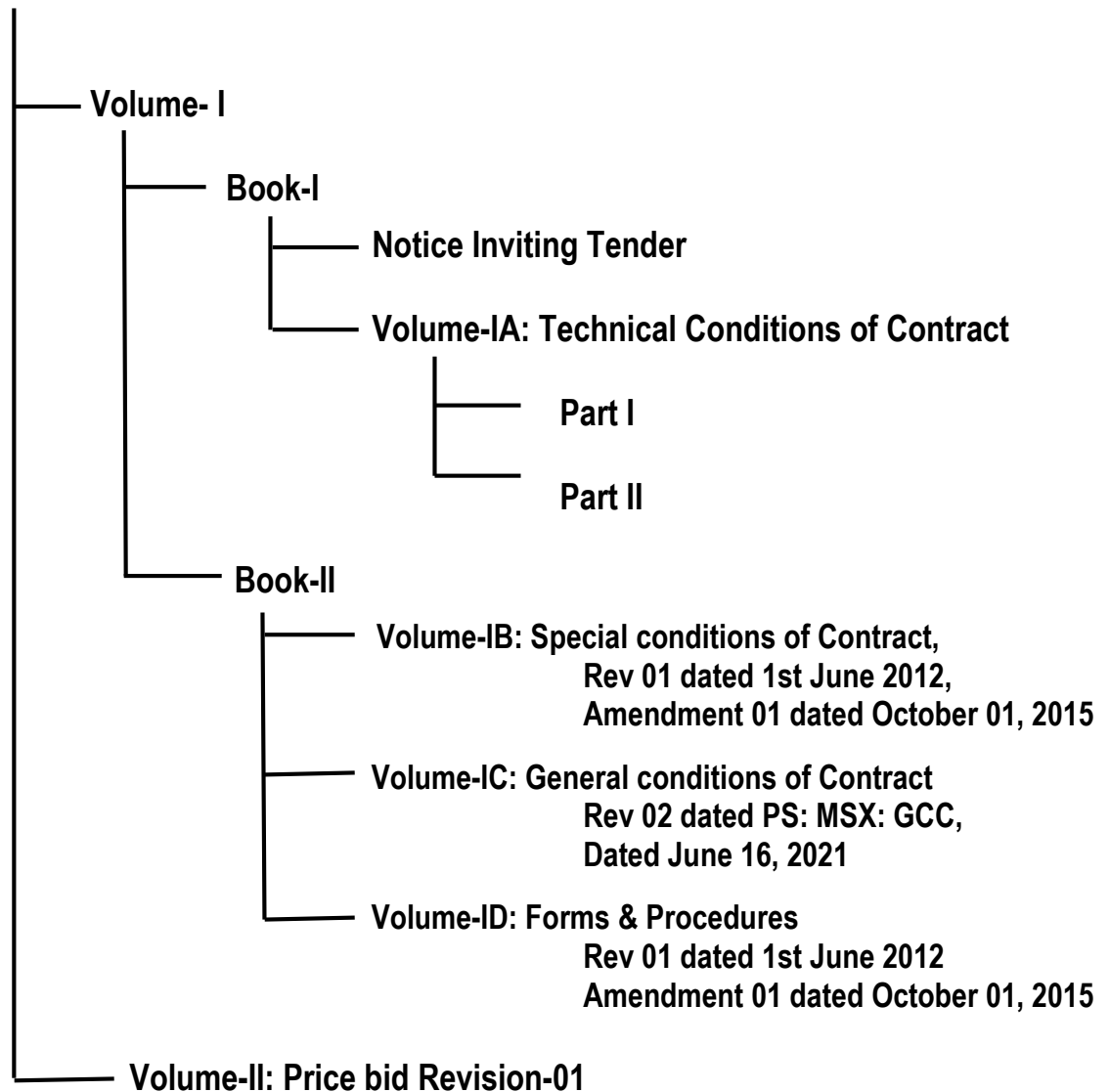
**Tek Towers, No.11, Old Mahabalipuram Road,  
Okkiyam Thoraipakkam, Chennai - 600097.**

# PRICE BID Revision-01

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## TENDER SPECIFICATION CONSISTS OF

### Techno-Commercial Bid



## PRICE BID Revision-01

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Part B: Format for total amount (Enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender)	(Separate Excel File)
Part C: Bill of quantities with weightage for amount of each items w.r.t. the total quoted price	08

# PRICE BID Revision-01

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## **PART-A-INSTRUCTIONS TO BIDDERS:**

1. The 'Price bid Revision-01 contains the consolidated list of BOQ with brief description of items. The quantity indicated in the BOQ / Price bid Revision-01 is approximate only and is liable for variation. Payment will be as per actual quantity executed as certified by BHEL Engineer.
2. Bidders shall quote 'Total Amount' in the format enclosed as a separate Excel File in BHEL NIC e-Procurement portal for the subject tender and upload the same under 'Packet details - > Tender covers -> Finance '(Cover Type Description – Price Bid)'' and same shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope of work defined in specification and in accordance with terms & conditions of the tender. Any other entry elsewhere in the price bid shall be treated as Null and Void. Quoting of rates in any other form/formats will not be entertained.
3. Before filling the Rates in the Price bid, the bidder shall go through the detailed specification of all items of BOQ as well as Scope of Work as specified in relevant Clause of this document
4. The above mentioned 'Total amount' is for the entire Bill of Quantity (BOQ) given in Part -C of the Price Bid Revision-01.
5. BHEL has pre-fixed the weightages for the amount of individual items of Bill of Quantity with respect to the 'Total Amount' in Part-C.
6. Based on the pre-fixed weightages, the amount for the individual items of the Bill of Quantity shall be arrived at. This amount shall be rounded off to the nearest rupee.
7. Based on the quantities of individual item and the amount arrived in SI No: 6 above, unit rate of individual items shall be derived. This unit rate shall be rounded off to four decimal places.
8. Bidders to note that this is an item rate contract. Payment shall be made for the actual quantities of work executed at the unit rate arrived at as per SI No.7 above.

**Part C : Bill of Quantities****Tender Specification BHEL:PSSR:SCT:1975 for Boiler & Aux  
at 1 X 800 MW Coal Based North Chennai Thermal Power Project Stage III**

<b>Ref.No.</b>	<b>Description</b>	<b>Unit of Measurement</b>	<b>Qty.</b>	<b>Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount</b>
1A	STRUCTURES - BUNKER STRUCTURE	--		
1.7.3	PRO RATA PAYMENTS (85%)	--		
1.7.3.1	PRE-ASSEMBLY (IF NOT APPLICABLE, CLUB WITH PLACEMENT IN POSITION)	MT	465.31	.0096081
1.7.3.2	PLACEMENT IN POSITION	MT	465.31	.0064054
1.7.3.3	ALIGNMENT	MT	550	.0113568
1.7.3.4 a)	a)WELDING	MT	727.68	.0170291
1.7.3.4 b)	b) BOLT FIXING(if Not Applicable shall be paid along eith 1.7.3.4 a)	MT	723.86	.0059787
1.7.3.4 c)	c) BOLT TIGHTENING INSPECTION (if Not Applicable shall be paid along eith 1.7.3.4 a)	MT	893.95	.0086142
1.7.3.5	COMPLETION OF NDE & SR	MT	988.28	.0136045
1.7.3.6	PG MA Completion/ Floors completion with gratings & handrails	MT	1,533.79	.0105569
1.7.4	STAGE/MILESTONE PAYMENTS (15%)	--		
1.7.4.11	READINESS FOR FEEDING COAL	MT	1,533.76	.0042227

**Part C : Bill of Quantities**

**Tender Specification BHEL:PSSR:SCT:1975 for Boiler & Aux  
at 1 X 800 MW Coal Based North Chennai Thermal Power Project Stage III**

<b>Ref.No.</b>	<b>Description</b>	<b>Unit of Measurement</b>	<b>Qty.</b>	<b>Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount</b>
1.7.4.12	COAL FIRING	MT	1,533.76	.0042227
1.7.4.16	PAINTING	MT	2,179	.0179975
1.7.4.17	AREA CLEANING, TEMPORARY STRUCTURE CUTTING, REMOVAL & RETURN OF SCRAP	MT	2,179	.0029996
1.7.4.18	PUNCH LIST POINTS/ PENDING POINTS LIQUIDATION	MT	2,179	.0059992
1.7.4.20	MATERIAL RECONCILIATION	MT	548.38	.0007549
1.7.4.21	COMPLETION OF CONTRACTUAL OBLIGATION	MT	1,533.76	.0021113
1A	STRUCTURES - BOILER STRUCTURE	--		
1.7.1	PRO RATA PAYMENTS (85%)	--		
1.7.1.1	PRE-ASSEMBLY (IF NOT APPLICABLE, CLUB WITH PLACEMENT IN POSITION)	MT	2,135.68	.0587988
1.7.1.2	PLACEMENT IN POSITION	MT	2,135.68	.0440991
1.7.1.3	ALIGNMENT	MT	2,320.82	.047922
1.7.1.4 a)	a)WELDING	MT	2,634.74	.0362694



**Part C : Bill of Quantities**

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1.7.1.4 b)	b) BOLT FIXING, TIGHTENING INSPECTION	MT	2,889.9	.0198909
1.7.1.5	COMPLETION OF NDE & SR (IF NOT APPLICABLE, THEN THIS PORTION TO BE PAID ALONG WITH WELDING)	MT	3,297.94	.0226995
1.7.1.13	PG MA Completion/ Floors completion with gratings & handrails	MT	3,297.94	.0680984
1.7.4	STAGE/MILESTONE PAYMENTS (15%)	--		
1.7.4.15	COMPLETION OF SHEET COVERING FOR BOILER ROOF, BURNER ROOF, LIFT SHAFT CLADDING, COMPLETION OF GUTTERS	MT	7,345.44	.0303348
1.7.4.16	PAINTING	MT	14,555	.1202171
1.7.4.17	AREA CLEANING, TEMPORARY STRUCTURE CUTTING, REMOVAL & RETURN OF SCRAP	MT	9,845.44	.0135531
1.7.4.18	PUNCH LIST POINTS/ PENDING POINTS LIQUIDATION	MT	9,845.44	.0271061
1.7.4.20	MATERIAL RECONCILIATION	MT	2,135.68	.0058799
1.7.4.21	COMPLETION OF CONTRACTUAL OBLIGATION	MT	3,297.94	.0045399
1C	NON-PRESSURE PARTS	--		
1.7.1	PRO RATA PAYMENTS (85%)	--		

**Part C : Bill of Quantities**

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at 1 X 800 MW Coal Based North Chennai Thermal Power Project Stage III**

Ref.No.	Description	Unit of Measurement	Qty.	Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount
1.7.1.1	PRE-ASSEMBLY (IF NOT APPLICABLE, CLUB WITH PLACEMENT IN POSITION)	MT	1,669.35	.0609663
1.7.1.2	PLACEMENT IN POSITION	MT	1,671.7	.0244208
1.7.1.3	ALIGNMENT	MT	1,858.55	.0271504
1.7.1.4	WELDING/BOLTING/FIXING	MT	2,013.22	.0441149
1.7.1.5	HANGERS & SUPPORTS ETC	MT	2,032.43	.0742263
1.7.4	STAGE/MILESTONE PAYMENTS (15%)	--		
1.7.4.1	AIR & GAS TIGHTNESS TEST	MT	2,032.43	.0148453
1.7.4.8	Completion of Coal Piping upto Toggle Section	MT	2,032.43	.0029691
1.7.4.9	Completion of Enclosure	MT	2,032.43	.0059381
1.7.4.12	COAL FIRING	MT	2,032.43	.0059381
1.7.4.16	PAINTING	MT	5,122	.0074824
1.7.4.17	AREA CLEANING, TEMPORARY STRUCTURE CUTTING / REMOVAL & RETURN OF SCRAP	MT	2,269.01	.0033147

**Part C : Bill of Quantities**

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<b>Ref.No.</b>	<b>Description</b>	<b>Unit of Measurement</b>	<b>Qty.</b>	<b>Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount</b>
1.7.4.18	PUNCH LIST POINTS / PENDING POINTS LIQUIDATION	MT	2,269.01	.0033147
1.7.4.20	MATERIAL RECONCILIATION	MT	1,669.35	.0024386
1.7.4.21	COMPLETION OF CONTRACTUAL OBLIGATION	MT	2,032.43	.0029691
2A	ROTATING MACHINES	--		
1.7.1	PRO RATA PAYMENTS (85%)	--		
1.7.1.1	PRE-ASSEMBLY (IF NOT APPLICABLE, CLUB WITH PLACEMENT IN POSITION)	MT	405.09	.0071934
1.7.1.2	PLACEMENT IN POSITION	MT	405.09	.0095912
1.7.1.3	ALIGNMENT	MT	605.89	.0143455
1.7.1.4	WELDING/BOLTING/FIXING	MT	820.36	.0194235
1.7.1.14	EQUIPMENT TRIAL OPERATION	MT	1,859.51	.0220136
1.7.4	STAGE/MILESTONE PAYMENTS (15%)	--		
1.7.4.6	CLEAN AIR FLOW TEST	MT	1,859.51	.0022014

**Part C : Bill of Quantities**

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1.7.4.7	Readiness of Coal Feeders	MT	1,029.13	.0012183
1.7.4.8	Completion of Lub Oil Flushing	MT	1,029.13	.0012183
1.7.4.9	Completion of PG MA	MT	1,029.13	.0012183
1.7.4.12	COAL FIRING	MT	1,029.13	.0024366
1.7.4.13	FULL LOAD	MT	1,029.13	.0012183
1.7.4.14	TRIAL OPERATION OF UNIT	MT	1,029.13	.0024366
1.7.4.16	PAINTING	MT	2,150	.0050905
1.7.4.17	AREA CLEANING, TEMPORARY STRUCTURE CUTTING / REMOVAL & RETURN OF SCRAP	MT	2,015.51	.002386
1.7.4.18	PUNCH LIST POINTS / PENDING POINTS LIQUIDATION	MT	2,015.51	.002386
1.7.4.20	MATERIAL RECONCILIATION	MT	613.86	.0007267
1.7.4.21	COMPLETION OF CONTRACTUAL OBLIGATION	MT	1,029.13	.0012183
2B	HANDLING EQUIPMENTS	--		

**Part C : Bill of Quantities**

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<b>Ref.No.</b>	<b>Description</b>	<b>Unit of Measurement</b>	<b>Qty.</b>	<b>Weightage for amount of each item (Nearest to the 7 decimal points) w.r.t the total amount</b>
1.7.1	PRO RATA PAYMENTS (85%)	--		
1.7.1.1	PRE-ASSEMBLY (IF NOT APPLICABLE, CLUB WITH PLACEMENT IN POSITION)	MT	23	.0004077
1.7.1.2	PLACEMENT IN POSITION	MT	23	.0005436
1.7.1.3	ALIGNMENT	MT	23	.0005436
1.7.1.4	WELDING/BOLTING/FIXING	MT	23	.0005436
1.7.1.14	EQUIPMENT TRIAL OPERATION	MT	23	.0002718
1.7.4	STAGE/MILESTONE PAYMENTS (15%)	--		
1.7.4.6	Completion of Load Test	MT	23	.0001087
1.7.4.12	COAL FIRING	MT	23	.0000543
1.7.4.13	FULL LOAD	MT	23	.0000272
1.7.4.14	TRIAL OPERATION OF UNIT	MT	23	.0000543
1.7.4.16	PAINTING	MT	23	.0000543

**Part C : Bill of Quantities**

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1.7.4.17	AREA CLEANING, TEMPORARY STRUCTURE CUTTING / REMOVAL & RETURN OF SCRAP	MT	23	.0000272
1.7.4.18	PUNCH LIST POINTS / PENDING POINTS LIQUIDATION	MT	23	.0000272
1.7.4.20	MATERIAL RECONCILIATION	MT	23	.0000272
1.7.4.21	COMPLETION OF CONTRACTUAL OBLIGATION	MT	23	.0000272
<b>TOTAL Weightage</b>				0.9999997

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

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

Name and Signature of Contractor



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

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

Project		Vendor			Package/Unit	
Sl. No.	Parameter for Measurement	Classification	Max Score	Score Obtained	Measurement Key/Scheduled date	Supporting Documents
	<b>Performance Score Summary for the Month</b>	<b>Total Score</b>	<b>Score Obtained</b>			
	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
1a	Induction training for new workers conducted through audio-visual medium & documented ?	M	1	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	M	2	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 )	M	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?		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
2l.3	Availability of Tags & Inspection Certificates, colour 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, 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	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-
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 <sub>2</sub> 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-
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.