

Ref: Enq. No. PE-LPE/617 dtd. 25/08/2023

Date: 02.09.2023

CORRIGENDA / ADDENDUM-01

SUBJECT: Architectural and Engineering consultancy services in Karkhiyaon, Varanasi.

Ref: Enq. No. PE-LPE/617 dtd. 25/08/2023

Dear Ma'am/Sir,

With reference to subject tender enquiry please note following:-

- a) The resolution related to pre bid queries is being attached as Annexure-A along with this corrigendum.
- b) The due date of bid submission is extended to **11.09.2023, 11:00 Hours**. Part1 opening will be done on same day at 14:00 Hours

All other terms and conditions shall remain same as per RFP.

Thanking You,

With Regards,

For & on behalf of BHEL

Akash Verma

[Dy. Mgr./ CMM]

Annexure-A

Pre Bid Meeting Queries						
S.NO.	Page No.	Section No.	Clause No.	Subject	Suggestion / Query	BHEL REPLY
1	Tender Details	Tender Details published at https://eprocurebhel.co.in/nicgep/app	EMD Fee Details	EMD Exemption: On perusal of the Tender Details available at https://eprocurebhel.co.in/nicgep/app it is noted that the EMD Exemption is allowed (EMD Exemption Allowed: YES) under EMD Fee Details.	We have been given to understand upon telephonic enquiry that the firms registered with MSME / UDYAM as SMALL under Type of Enterprise are exempted from remittance of Earnest Money Deposit (EMD) amounting to Rs. 6,80,000/- (Rupees Six Lakh Eighty Thousand Only).	Noted. Exemption to MSE vendors is applicable based on submission of documentary evidence along with techno commercial offer of meeting criteria of MSE vendor per MSMED act.
2	Page No. 48 of Tendere notice_7	Annexure – B (Pre – Qualification Requirements)	Criteria for Evaluation – Financial	It is specified that the Average Annual Financial Turnover during the last Three Financial Years should not be less than Rs. 1,02,00,000/-	It is requested that the Provisional Balance Sheet for the Financial Year 2022 – 23 may please be considered for Evaluation of Financial Criteria pertaining to Average Annual Financial Turnover and Average Profit Before Tax. It is intimated that the Audit for the Financial Year ending on 31.03.2023 (i.e. Financial Year 2022 – 23) is in process and last date for filing Income Tax Return (ITR) for FY 2022 – 23 for Company / Firm is in the end of September 2023	It is clarified the last 3 consecutive year's audited annual accounts are to be submitted. In case audited account of 2022-23 are not available, accounts of 2019-20, 2020-21 and 2021-22 shall be considered for evaluation.
3	Page No. 52 of Tendere notice_7	Annexure – C (Quality and Cost based Selection (QCBS) Criteria)	Sr. No. D (i) & (ii)	It is specified that the bidder has to submit Financial Accounts for last three year (i.e. previous 3 (three) consecutive financial years as on tender opening date).	It is requested that the Provisional Balance Sheet for the Financial Year 2022 – 23 may please be considered for Evaluation of Financial Criteria pertaining to Average Annual Financial Turnover and Average Profit Before Tax. It is intimated that the Audit for the Financial Year ending on 31.03.2023 (i.e. Financial Year 2022 – 23) is in process and last date for filing Income Tax Return (ITR) for FY 2022 – 23 for Company / Firm is in the end of September 2023	Provisional accounts is not accepted. It is again clarified the last 3 consecutive year's audited annual accounts are to be submitted. In case audited account of 2022-23 are not available, accounts of 2019-20, 2020-21 and 2021-22 shall be considered for evaluation.
4	Page No. 25 of Tendere notice_7	Annexure – 1 (Checklist)	S.N. 13	Annexure C6	Not available with the tender document	Annexure C6 is typographical error. Same may be read as C5

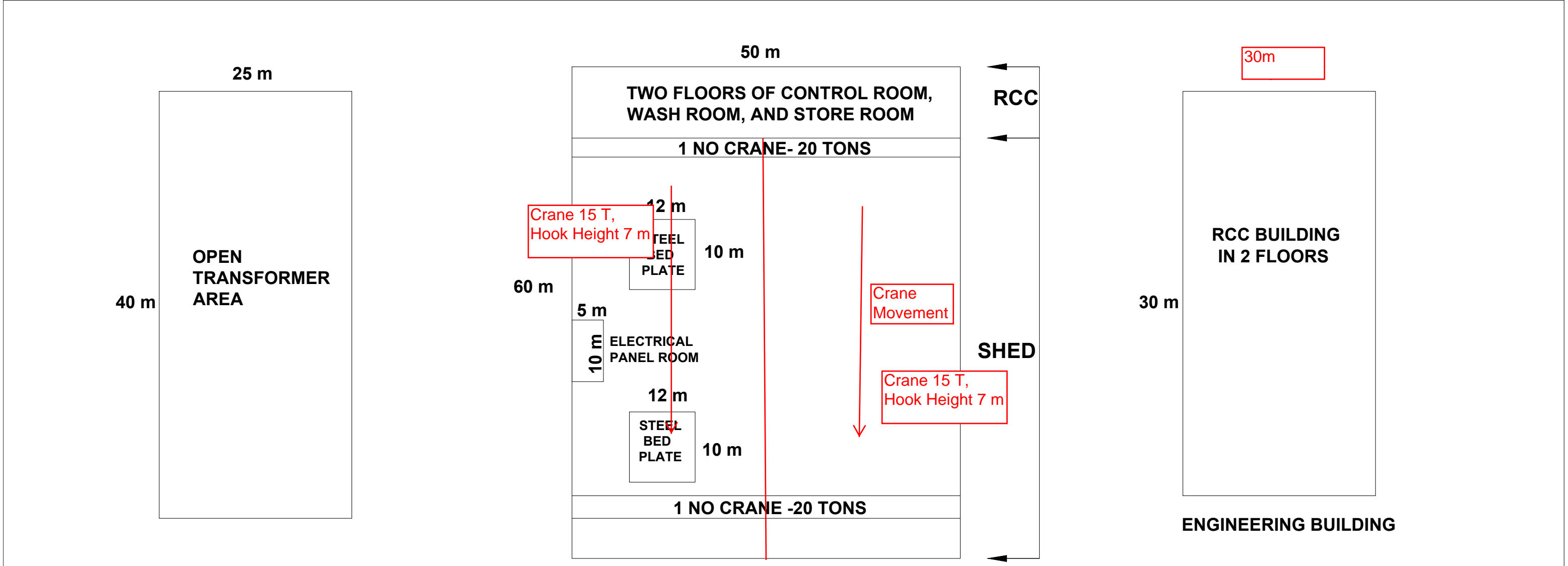
Pre Bid Meeting Queries						
S.NO.	Page No.	Section No.	Clause No.	Subject	Suggestion / Query	BHEL REPLY
5	45	Annexure – 12		Certification regarding local content / Make in India Certificate	<p>It is submitted that the Consultant has to provide Architectural & Engineering Consultancy Services for the subject work, whereas certification regarding local content in % is desired to be filled in addition to confirmation to the details of locations at which the local value addition will be done at consultant's works located.</p> <p>It is felt that the certification desired at Annexure – 12 is not applicable to the Architectural & Engineering Consultant, as the same pertains to the Contractor.</p> <p>Kindly delete the requirement of certification</p>	Make in India circular dated 16.09.2020 is applicable for all goods and services. Consultancy is also a service and certificate is required to be submitted along with the bid. Accordingly there is no change in RFP. Kindly follow the tender terms and conditions.
6	Page No. 4 of Tendersnotice_7	Invitation for Bid	Sr. No. 8	Due date for submission	<p>Due date for submission of bid is specified as 04.09.2023 upto 14:00 hrs, whereas Pre-Bid Meeting has been scheduled for 01.09.2023, 14:00 hrs.</p> <p>It is needless to mention here that hardly 1 (one) working i.e. 02.09.2023 is kept between the Pre-bid meeting and the submission due date.</p> <p>Kindly extend the date for submission of bids by atleast 7 – 10 days. In order to enable the bidder to submit its proposal.</p>	Date is extended till 11.09.2023, 11:00 Hours. P1 opening shall be done on same day i.e 11.09.2023, 14:00 hours

Pre Bid Meeting Queries						
S.NO.	Page No.	Section No.	Clause No.	Subject	Suggestion / Query	BHEL REPLY
7	Page-15	Tender Notice_7	Clause 5.10	Limitation of Liabilities Decision of Purchaser with regard to Seller/ Contractor's liability and the amount involved, if any, payable by Seller/ Contractor under the guarantee shall be final, conclusive and binding. However, vendor's maximum liability will be limited to the total contract value including taxes, duties and freight.	We request to please amend the clause as below: Decision of Purchaser with regard to Seller/ Contractor's liability and the amount involved, if any, payable by Seller/ Contractor under the guarantee shall be final, conclusive and binding. However, vendor's maximum liability under the Contract will be limited to the total contract value including taxes, duties and freight. Neither Party shall be liable to the other for any indirect or consequential damages or losses of any nature whatsoever. Please confirm.	The amended term is as following:- Decision of Purchaser with regard to Seller/ Contractor's liability and the amount involved, if any, payable by Seller/ Contractor under the guarantee shall be final, conclusive and binding. However, vendor's maximum liability under the Contract will be limited to the total contract value including taxes, duties and freight. Neither Party shall be liable to the other for any indirect or consequential damages.
8	Page-22	Tender notice-7	Clause 5.27.2	Earnest Money Deposit (EMD): 5.27.2: The EMD may be accepted only in the following forms: (i) Cash deposit as permissible under the extant Income Tax Act (before tender opening) (ii) Electronic Fund Transfer credited in BHEL account (before tender opening) (iii) Banker's cheque/ Pay order/ Demand draft, in favour of BHEL (along with offer)	We request to please allow submission of EMD in form of Bank Guarantee issued from any Scheduled / Nationalized Bank. Also, please share BG Format.	No change in RFP. Kindly follow the tender terms and conditions.
9	Page-49	Tender notice-7, Annexure-C	S. No. A(iv); Part 1 – Quality score (Ts)	Experience in design of Green Buildings - Max. Marks = 5 • 5 marks for project/s successfully completed with 5-star GRIHA / Platinum LEED/IGBC Platinum rating. • 3 marks for project/s successfully completed with 4-star GRIHA / Gold LEED/ IGBC Gold rating.	We request to please amend the marking distribution of the clause as below: • 5 marks for project/s successfully completed with 4-star GRIHA / Platinum LEED/IGBC Platinum rating. • 3 marks for project/s successfully completed with 3-star GRIHA / Gold LEED/ IGBC Gold rating	No change in RFP. Kindly follow the tender terms and conditions.

Pre Bid Meeting Queries						
S.NO.	Page No.	Section No.	Clause No.	Subject	Suggestion / Query	BHEL REPLY
10	Page-52	Tender notice-7, Annexure-C	S. No. D(i); Part 1 – Quality score (Ts)	Financial Criteria Average annual financial turnover in previous 03 (three) consecutive financial years as on tender opening date - Max. Marks =5 • 5 marks for Above INR 5.0 Cr • 4 marks for INR 3.0 Cr to 5.0 Cr • 3 marks for INR 2.0 Cr to 3.0 Cr • 2 marks for INR 1.02 Cr to 2.0 Cr	Financial details for FY 2022-23 are under audit. Thus, we request to please allow submission of turnover details of last 3 consecutive financial years i.e. FY 2022-2021, FY 2021-2020, and FY 2020-2019 for evaluation. Please confirm.	It is clarified the last 3 consecutive year's audited annual accounts are to be submitted. In case audited account of 2022-23 are not available, accounts of 2019-20, 2020-21 and 2021-22 shall be considered for evaluation.
11	Page-52	Tender notice-7, Annexure-C	S. No. D(ii); Part 1 – Quality score (Ts)	Financial Criteria Average Profit before Tax in previous 03 (three) consecutive financial years as on tender opening date - Max Marks = 5 • 5 marks for Above INR 1.0 Cr • 4 marks for INR 0.50 Cr to 1.0 Cr • 3 marks for INR 0.25 Cr to 0.50 Cr • 2 marks for upto INR 0.25 Cr	Due to Covid 19, our business in the field of professional consultancy services has been badly impacted upon and consequently annual financial turnover from consultancy services has dropped drastically during covid and non-covid years. In view of the above scenario, we request you to consider/amend the clause as below: Financial Criteria Profit before tax in any one of 03 (three) consecutive financial years i.e. FY 2022-21, FY 2021-20, and FY 2020-19 as on tender opening date: Max Marks = 5 • 5 marks for Above INR 1.0 Cr • 4 marks for INR 0.50 Cr to 1.0 Cr • 3 marks for INR 0.25 Cr to 0.50 Cr • 2 marks for upto INR 0.25 Cr	No change in RFP. Kindly follow the tender terms and conditions.
12	Page-53	Tender notice-7, Annexure-C		Overall Score On the basis of the combined score for Quality score and Cost score with weightage of 60:40, the bidders shall be ranked in terms of the total score obtained.	We request to amend the clause as below: On the basis of the combined score for Quality score and Cost score with weightage of 80:20, the bidders shall be ranked in terms of the total score obtained.	No change in RFP. Kindly follow the tender terms and conditions.
13		Pg 16 of 45 RFP		The applicable TDS under GST/ Goods and Services (Compensation to States) Act will be deducted from the payments.	We request to keep all taxes exclusive of fee as per standard terms for most Indian government projects.	No change in RFP. Kindly follow the tender terms and conditions.
14		General		Payment Schedule	We request you to provide Payment Schedule	Payment schedule is already available in RFP.

Pre Bid Meeting Queries						
S.NO.	Page No.	Section No.	Clause No.	Subject	Suggestion / Query	BHEL REPLY
15				for quality score (Ts) in Annexure C instead of successfully completed project ,it is our request to be replaced with successfully /substantially completed project		Require successful completion certification for the completed scope of work mentioned under clause A (iii) of Annexure-C. No other form of document like payment receipt etc shall be accepted.
16				Annexure-A Pre-Qualification Requirement: Bidder shall have successfully completed at least one (01) no. of architectural planning & designing of industrial /institutional/ office complex which is registered as Green building and obtained rating of minimum 4 star or equivalent as per GRIHA Star rating norms/ IGBC Gold rating / LEED Gold rating	Bidder shall have successfully completed at least one (01) no. of architectural planning & designing of industrial /institutional/ office complex which is registered as Green building and obtained rating of minimum 4 star or equivalent as per as per green building concept considering all parameters of GRIHA Star rating norms/ IGBC Gold rating / LEED Gold rating.	No change in RFP. Kindly follow the tender terms and conditions.
17		Additional Point		PDF Readable Copy of Layout and inputs		Same shall be again uploaded.
18		Clause No. 5.33		Liquidated damages		No change in RFP. Kindly follow the tender terms and conditions.
19		Point no 05 of Annexure-1		Documents require for submission along with techno commercial offer		Point No. 05 Of Annexure-I stands deleted. The price schedule is to be enclosed in Part-2 only.
20		Additional Point		Bank detail		Bank detail is as below:- Account Holder's Name : Bharat Heavy Electricals Limited Name of Bank : SBI Bank Account no:39922687394 Bank Address : 4th & 5th Floor Redfort Capital Parsvnath Towers, Bhai Veer Singh Marg, Gole Market New Delhi 1100014 IFSC Code:SBIN0017313

Crane height 7m.
Industrial shed of height 14.5m.



TOTAL AREA REQUIREMENT-2 ACRES INCLUDING OPEN SPACES BETWEEN BUILDINGS

COE FOR PROPULSION SYSTEM(FROM EDN) as per mail received on 18-08-23

PROPOSED COE



BHARAT HEAVY ELECTRICALS LTD
Electronics Division

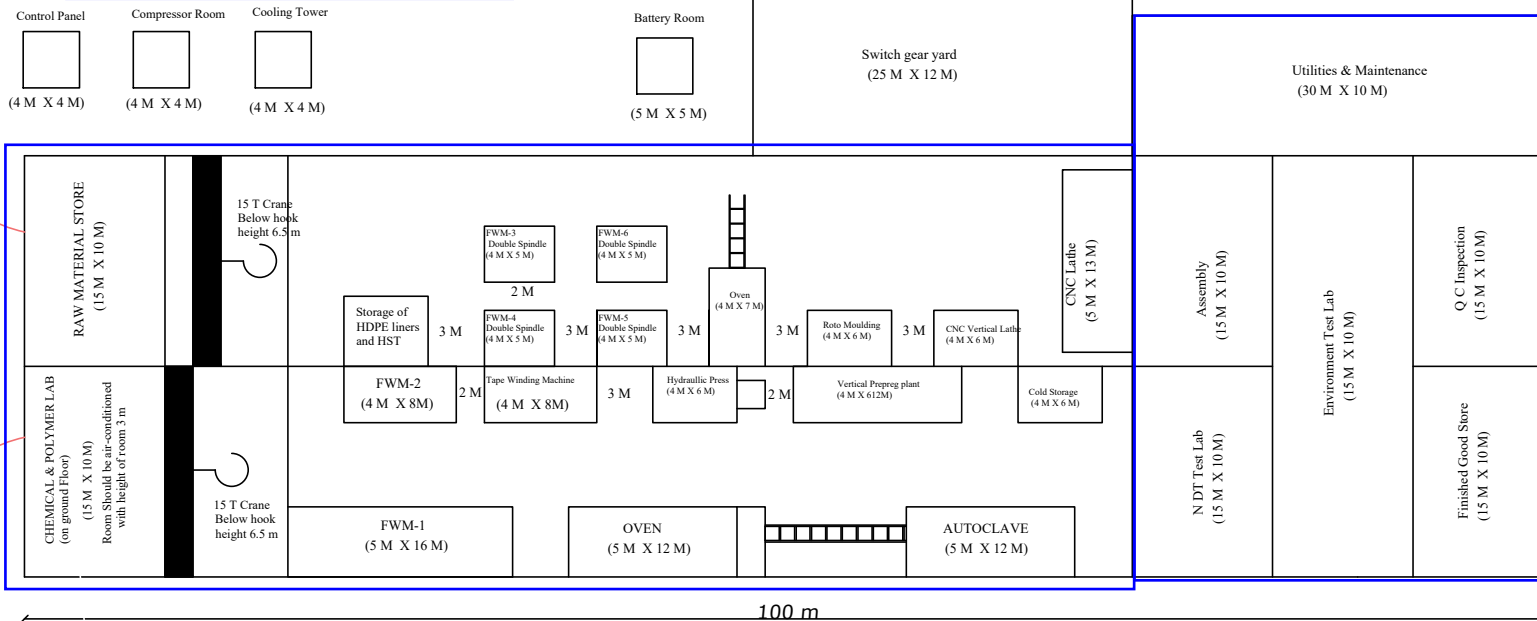
10 mtr wide Road

30 m

Industrial Shed with
approx. height of 12.5m.
70m x 30m

10 mtr wide Road

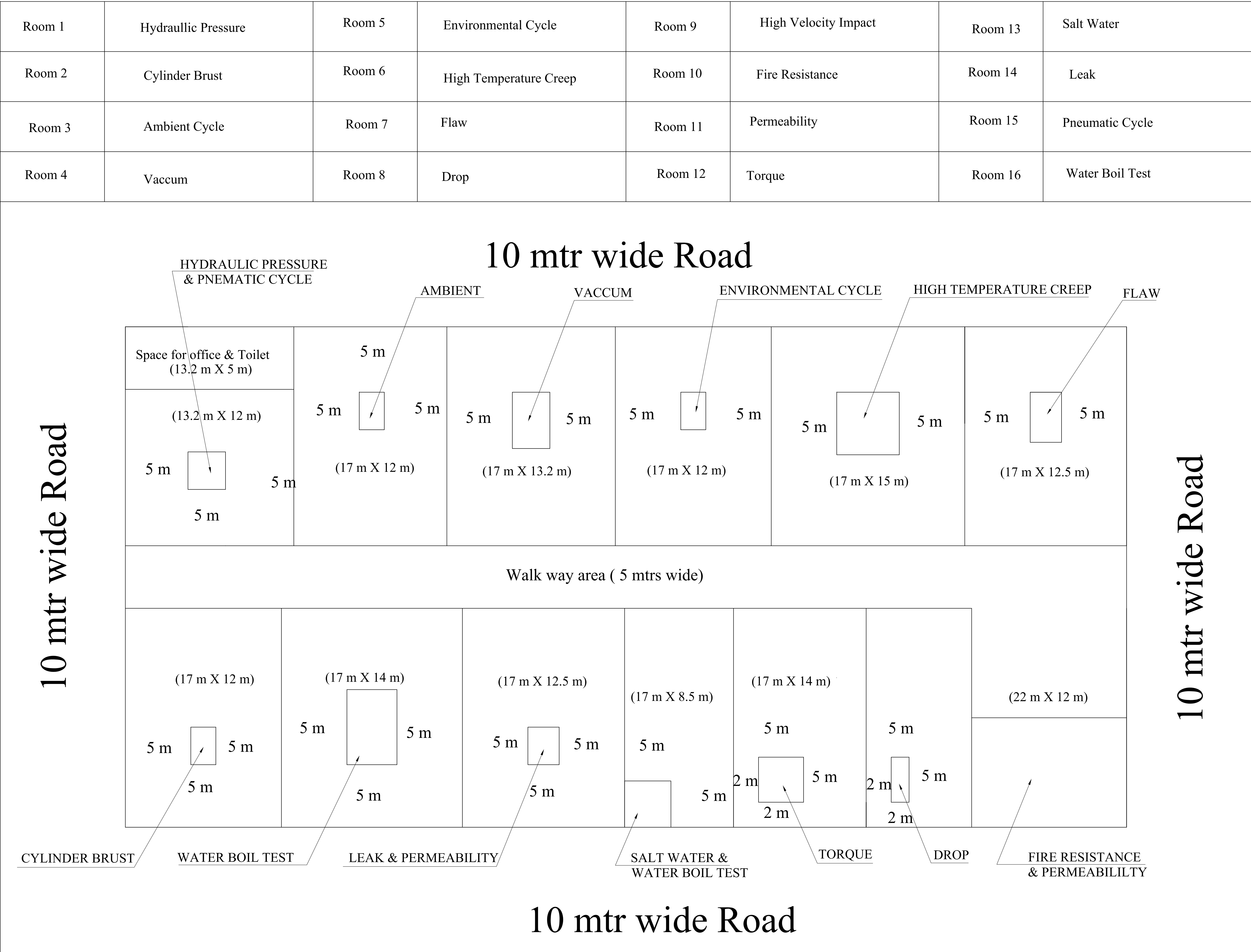
Single story RCC building
30m x 40m



10 mtr wide Road

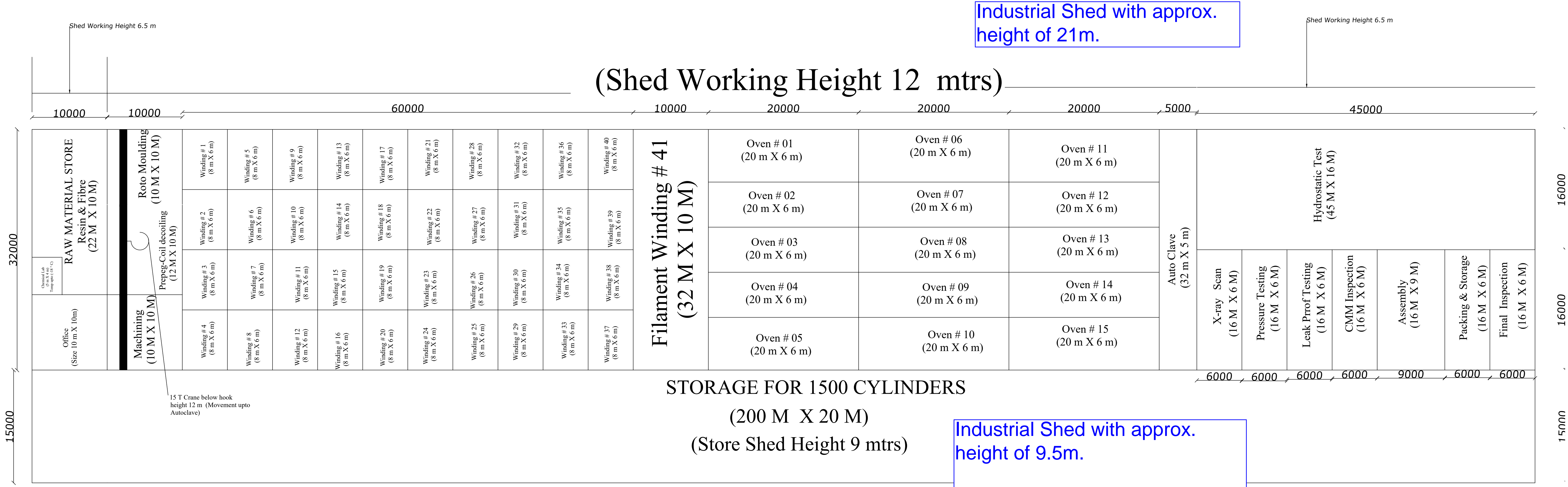
10 mtr wide Road

COE Layout (100 M X 30 M)

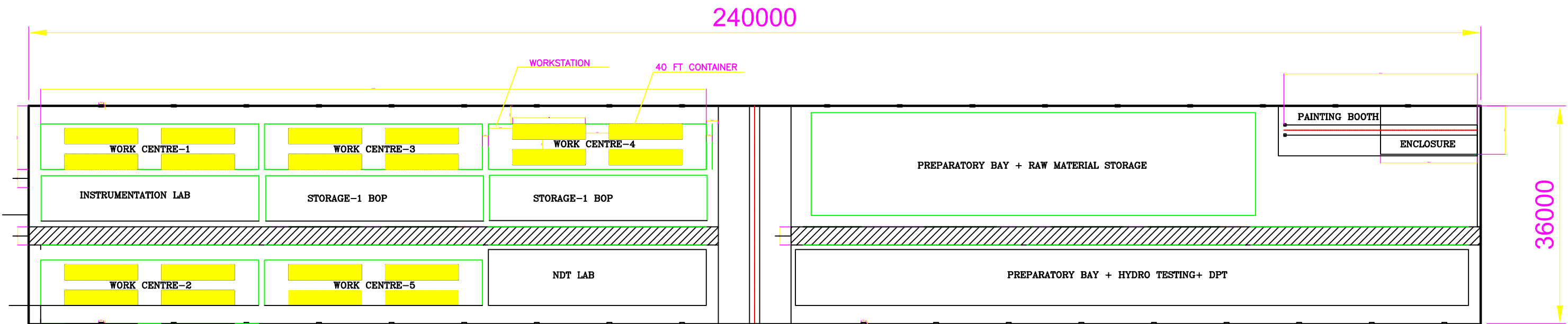


National Test Facility Layout (80 M X 40 M)

Details of Layout in National Test Facility					
S.No	Name of Test	Apparatus Required	Machine Size (ft)	Room Size (m)	Remark
1	Hydraulic Pressure	Gas Pressure Testing Facility	8 X 8 X 6	13.2 X 12	Test 1 & 15 in Same room
2	Cylinder Brust		8 X 4 X 6	17 X 12	
3	Ambient Cycle		8 X 6 X 10	17 X 12	
4	Vaccum	Centralized Vacuum System	14 X 10 X 12	17 X 13.2	
5	Environmental Cycle		8 X 6 X 10	17 X 12	
6	High Temperature Creep		16 X 12 X 8	17 X 15	
7	Flaw		No Space Required	No Space Required	
8	Drop	Drop Testing Machine	12 X 8 X 21	17 X 7	
9	High Velocity Impact	Bonfire & gunfire testing	60X 30 X 20	22 X 12	Test 9 & 10 in Same room
10	Fire Resistance	Bonfire & gunfire testing	60X 30 X 20	22 X 12	
11	Permeability	Permeation Type Leak Testing Machine	10 X 8 X 12	17 X 12.5	Test 11 & 14 in Same room
12	Torque	Computerized Gas Vessel Torque test facility	12 X 12 X 8	17 X 14	
13	Salt Water		12 X 12 X 8	17 X 8.5	Test 13 & 16 in same room
14	Leak		10 X 8 X 12	17 X 12.5	
15	Pnematic Cycle		8 X 8 X 6	13.2 X 12	
16	Water Boil Test	Water Boil Test facility	20 X 12 X 8	17 X 8.5	



Industrial Shed with approx. height 22m.



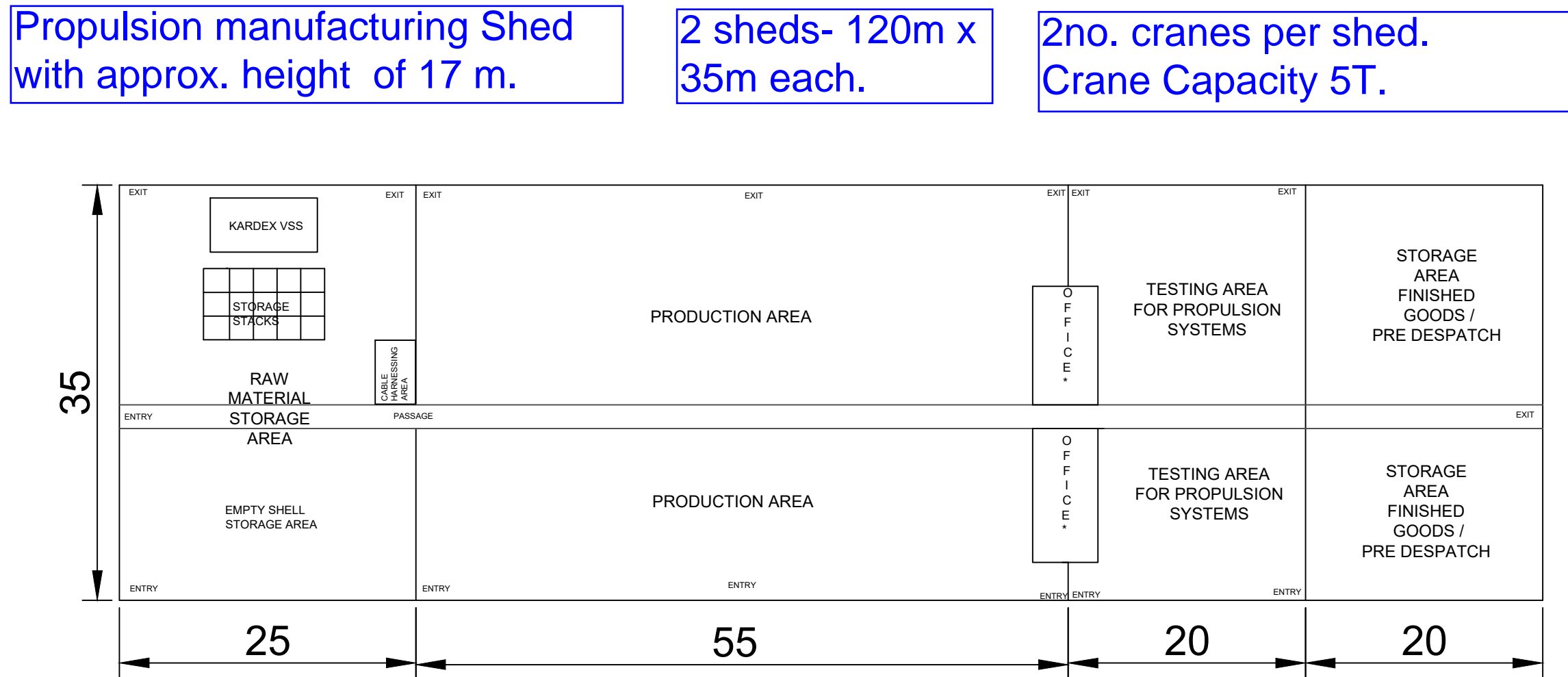
NOTES:

1. IN THE ABSENCE OF TECHNOLOGY PARTNER AT PRESENT, ACTUAL ASSESSMENT OF THE FACILITY REQUIREMENT CANNOT BE MADE. HOWEVER, TO MOVE AHEAD, TEAMS OF DIFFERENT UNITS HAVE USED THEIR EXPERIENCE OF EXISTING PRODUCTS/SYSTEMS OF BHEL TO WORK OUT THE PROBABLE PLANT AND MACHINERIES REQUIRED FOR AN ELECTROLYSER SYSTEM ASSEMBLY AND TESTING PLANT.
2. BEFORE ANY FINANCIAL COMMITMENT, THE WORKED OUT DATA (PLANT/MACHINERY/TESTING EQPT./LAYOUT ETC.) NEEDS TO BE VETTED/VERIFIED BY THE COMPETENT CONSULTANT/TECHNOLOGY PARTNER.
3. EARLIER, MANUFACTURING PLANT FOR STACK MANUFACTURING WAS PROPOSED, BUT NOW IT HAS BEEN MODIFIED TO ELECTROLYZER SYSTEM ASSEMBLY AND TESTING PLANT. STACK MANUFACTUING IS NOT CONSIDERED IN THIS PLANT ACCORDINLGY THE LAYOUT IS SPECIFIC TO ASSEMBLY AND TESTING OF ELECTROLYSER STACK +BOP SYSTEM ONLY.
4. BASED ON THE INPUTS FROM PSBG-II (QAP FROM VENDOR) AND CORP R&D, PERFORMANCE TEST INVOLVING RUNNING OF COMPLETE ELECTROLYSER SYSTEM IS NOT REQUIRED (ONLY PNEUMATIC AND HELIUM LEAK TEST IS ENVISAGED FOR THE COMPLETE SYSTEM). FOR PREPARATORY BAY , HYDRO, DPT, RT(OUTSOURCED) IS ENVISAGED FOR THE PIPE WORK. ACCORDINGLY, TESTING AREA AND SAFETY PRECAUTIONS RELATED TO HYDROGEN GENERATION IS NOT ENVISAGED IN THE WORKING AREA.
5. FOR 100 MW CAPACITY PLANT, MACHINE LIST IS DERIVED FROM THE EARLIER LIST WHICH WAS COMPILED JOINTLY BY HEEP, CORP R&D, PE&SD, CORP. CAPEX ON 14-16TH JUNE. THE QUANTITIES HAVE ONLY BEEN SCALED DOWN BASED ON THE EMAIL DATED 01.08.2023 FROM CORP CAPEX AND SS&P GROUP.
8. 2 NOS. COLUMN MOUNTED JIB CRANE PER WORKSTATION ARE ENVISAGED IN ADDITION TO EOT CRANES IDENTIFIED EARLIER.



ASSUMPTIONS:

1. ANNUAL CAPACITY OF ASSEMBLY AND TESTING PLANT (CONTAINERIZED SOLUTION 2MW STACK SIZE): 100 MW – AS INFORMED BY CORP CAPEX DTD 22.7.23
2. CAPACITY OF STACK: 2 MW STACK (BOI) ALONG WITH BOP – AS INFORMED BY CORP CAPEX DTD 22.7.23
3. NO. OF ELECTROLYSER SYSTEMS TO BE MANUFACTURED PER YEAR: 50 NOS.
4. ASSEMBLY TIME (INCLUDING PREPARATORY WORK AND IN-PROCESS TESTING) CONSIDERED: 30 DAYS (3 SHIFT OPERATION)
5. CALCULATION FOR NUMBER OF WORKSTATIONS:
CONSIDERING 300 WORKING DAYS, $300/30=10$ UNITS CAN BE MANUFACTURED IN 1 WORKSTATION.
TOTAL WORKSTATION REQUIRED= $50/10= 5$ NOS.
6. CONTAINERS REQUIRED FOR 2 MW ELECTROLYSER SYSTEM: 4 NOS. CONTAINERS (3 NOS. 40 FT AND 1 NO. 20 FT.)

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.



*OFFICE IS IN MEZZANINE FLOOR, BELOW OFFICE IS TEMP. STORE

PHASE	REV.	DATE	ALTERED	REV.	DATE	ALTERED		NAME	SIGN	DATE		BHARAT HEAVY ELECTRICALS LIMITED.				(SCALE)		
			CHECKED			CHECKED						ELECTRONICS DIVISION, BANGALORE						
			APPROVED			APPROVED												
G							DRAWN	G G L	Sd/-	01.02.23		TITLE: PROPULSION SYSTEM MANUFACTURING FACILITY AT VARANASI			No. OF SHEETS			
							CHECKED	VIPIN	Sd/-	01.02.23					SHEET No.			
							APPROVED			01.02.23		DEPT. P. S.	CODE 309	DRG. No. IE—041—22004			REV	
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