

PURCHASE ENQUIRY

To M/s	Our E-mail : snair@bhelpswr.co.in	
	ENQUIRY No :	08059 E (Rev 01)
	ENQ.DATE	18/03/2009
	DUE DATE (revised)	10/04/2009,14.30 hrs

Dear Sir,

Kindly submit your sealed quotation by Speed Post / Registered Post / Courier / Air Mail in **two bids viz. (1) Technical cum Commercial Bid & (2) Price Bid.** for the material indicated below confirming acceptance to the terms and conditions enclosed ,so as to reach our office on or before 2.00 PM on the due date. Quotation may be sent by Fax only if asked so by BHEL / with prior permission of BHEL.

Sl. No	Description of Material	Unit	Qty	Delivery Schedule	Material Required at (Destination)
01	SUPPLY OF PORTA CABINS OF VARIOUS TYPES, WITH ALL FITTINGS INCLUDING PAINTING AS PER SPECIFICATION & SKETCH ENCLOSED	NOS			See Appendix I & II

A) GENERAL TERMS AND CONDITIONS OF CONTRACT

Cl. No.	DESCRIPTION
01	'Technical cum Commercial Bid' and 'Price Bid' shall be sealed in two separate envelopes. Both these sealed envelopes shall bear distinct identification with regard to the type of bid and Enquiry number. These two sealed envelopes shall then be kept in a third envelope and superscripted with correct Enquiry No. and Due Date. The outer cover should be addressed to the issuing authority of this enquiry and shall also bear the name and address of the bidder. Tender should be free from OVERWRITING AND ERASURES. Bidder's authorized signatory must attest corrections, if any. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount in figures and words, amount quoted in words shall prevail.
02	Technical cum Commercial bid will be opened at 3.00 PM on Due Date. The Technical cum Commercial bid should accompany copy of documents like authorized dealership certificate, earlier supply order details of similar equipment and their performance feed back from customers, company profile and present status, product catalogue of the models offered , technical specifications of the product, commercial Terms & Conditions, and other relevant documents etc.
03	Price bid of technically accepted bidders only will be opened. No revision of prices will be entertained after Tenders are opened, unless mentioned in our enquiry / asked so by BHEL.
04	Manufacturer's name, Trade Mark or Patent No. if any, shall be specified in the Technical cum Comm. Bid
05	Please mention the relevant national / international standard code of the product quoted for in the Technical cum Commercial bid.
06	The purchaser shall be under no obligation to accept the lowest or any other tender and shall be

	entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
07	Late tenders (received after Due Date) are liable to be rejected.
08	Price quoted shall be valid for 60 days from the date of opening
09	Price shall be quoted as per enclosed 'Price Format' only. Quotations not accompanying filled in 'Price Format' are likely to be rejected. Please fill in all the columns of all formats
10	The price quoted should be as applicable to DGS & D (Govt. of India) and other Govt. Organizations. In case DGS & D rate / Running Contract is not existing, but a contract is in vogue with any BHEL Unit, reference of the same shall be furnished and same may be applicable to this contract.
11	SECURITY DEPOSIT: The supplier shall have to furnish Security Deposit (Cash/DD/Bank Guarantee from a Scheduled Bank) if so specified in the tender under Special Terms & Conditions.
12	<p>DELIVERY FAILURE, TERMINATION & LIQUIDATED DAMAGE:</p> <p>The parties hereto agree that the timely dispatch/delivery and completion of the other schedules as stipulated in order/contract shall be the essence of the Order/Contract. If the seller/contractor fails to complete the dispatch/ delivery and other schedules within the time period stipulated in the order/contract, or within any extension of time granted by the purchaser, it shall be lawful for the purchaser to recover damages for the breach of order/contract without prejudice to any other rights and/or remedies provided for, in order/contract and hereunder.</p> <p>The purchaser reserves the right to recover from the Seller/Contractor, as agreed liquidated damages and not by way of penalty, a sum equivalent to half percent { ½% per week or part thereof, subject to a maximum of ten percent } of the total price of the delayed items, excluding elements of taxes, duties and freight, if seller/contractor has failed to deliver any part of the goods within the period stipulated in the Order/Contract.</p> <p>The purchaser reserves the right to purchase from elsewhere on account of and at the risk and cost of the seller /contractor without notice to the seller /contractor of goods not so delivered or their equivalent , without canceling the order/contract in respect of the goods not yet due for delivery.</p> <p>The purchaser reserves the right to cancel the order/contract or a portion thereof for the goods not so delivered at the risk and cost of the seller/contractor and the seller/contractor shall be liable to the purchaser for any excess costs thereof.</p>
13	RISK PURCHASE : In the event the supplier has failed to deliver or dispatch whole of the goods or any part within the time stipulated or if the same were not available in his stock, the best and the nearest available substitute thereof may be purchased/arranged by purchaser from elsewhere at the risk and the cost of the seller. The purchaser at his option will be entitled to terminate the contract and seller shall be liable for any loss which the purchaser may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in clause 12 above.
14	Purchaser reserves it's right to the Public Enterprises price preference facilities as admissible under the Govt. of India policy from time to time.
15	PREFERENTIAL DELIVERY : It should be noted that if an Order is placed on a higher tenderer as a result of this invitation to tender, in preference to the lowest acceptable offer in consideration of the earlier delivery, the seller will be liable to pay the purchaser the difference between the contract rate and that of the lowest acceptable tender on the basis of final price F.O.R. destination including all elements of freight, sales tax, duties and other incidentals in case of failure to complete supplies in terms of such contract within the date of delivery specified in the tender and contract.
16	The purchaser reserves the right to split up the tender and place orders for individual item on different suppliers and also increase or decrease the quantity.
17	In case of any contradictions between General and Special Terms and Conditions, the provisions in Special Terms & Conditions will prevail.

18	GENERAL
i	<ol style="list-style-type: none"> 1. Tender Specification documents with complete details are hosted in web page (www.bhel.com). Bidders can directly download the same and use for submission of offer. Tender Document charges (Rs 2000/-) shall be paid to BHEL positively along with or before submission of Offer. 2. Interested bidders may alternately collect hard copy of Tender documents from this Office on all working days within the sale period on payment of Tender Document charges of Rs 2000/- either by DD (in favour of BHEL payable at Nagpur) or cash. Courier charges will be Rs. 500/- extra if T.S. documents are requested through courier. 3. BHEL takes no responsibility for any delay/loss of documents or correspondences sent by courier/post. 4. Bidders who have deposited One Time EMD of Rs. 2.00 Lakhs with BHEL:PSWR:Nagpur will be exempted from submission of EMD with these tenders. 5. BHEL reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever. 6. Dates of Price Bid opening will be intimated to Techno Commercially Qualified Bidders bidders later. 7. All corrigenda, addenda, amendments and clarifications to Tender Specifications, revised Tender Submission Dates, etc will be hosted in the web page (www.bhel.com → Tender Notifications → View Corrigendum) and NOT in the newspaper. Bidders shall keep themselves updated on all such updates. 8. BHEL reserves the right to reject any tender on the basis of unsatisfactory performance of the bidder in any ongoing job or any similar job in the last seven years or for furnishing false information/declaration in the offer
ii	<ol style="list-style-type: none"> a) Timing of sale of Documents: Tender Specification documents will be issued from BHEL PSWR Nagpur office from 10:00 AM to 4:00 PM on all working days within the period specified in the NIT. b) Holidays: <ul style="list-style-type: none"> • Sale of Tender Documents shall not take place on National Holidays, holidays declared by the Central or State Governments, Sundays, second and last Saturdays and holidays of BHEL PSWR Nagpur HQ. c) Seeking Clarifications on Tender Specification: <ul style="list-style-type: none"> • Clarifications on the Tender Specifications, if any, may be sought by the bidders so as to reach this office at least seven days before the Due Date for submission. d) Supporting Documents: <ul style="list-style-type: none"> • Bidders shall submit documents in support of possessing “Qualifying Requirements” as under duly self-certified and stamped by the authorized signatory. • List of jobs done with Name of the Project, Owner of Project, Name of Customer, Work Order Ref. No. & Date, Brief Details of Job, Executed Value, Date of Start, Date of Completion, with Name, designation and Contact details of Client’s concerned Officer. • Photocopies of Work Orders issued by the Customer containing details of Bill of Quantities/Schedule of Rates. • Photocopies of Completion Certificate issued by Customer or Owner of Project. • Photocopies of audited Profit & Loss accounts, Balance Sheets, accompanied by relevant schedules for Turnover figures.

B) SPECIAL TERMS AND CONDITIONS OF CONTRACT

Clause No	Item Description
01	<p><u>QUALIFICATION REQUIREMENT:</u> Bidder must fulfill the Qualifying Requirements as under in order to be considered as technically qualified for this Tendering process:</p> <p>a) Bidder must have, in last seven years as on 28/02/2009, executed any one of the following:</p> <p>a.1) Supplied Porta Cabins to any Unit of BHEL for a value not less than 50 Lakhs, in a Single Order</p> <p>a.2) Supplied Porta Cabins to any Government, Semi Government/ or any other Customer for a quantity of not less than 10 numbers in any one Purchase Order</p> <p style="text-align: center;">AND</p> <p>b) Bidder must have achieved average financial turnover (Audited) of Rs 240.00Lakhs per year over last three financial years ending 31.03.2008.</p> <p style="text-align: center;">AND</p> <p>c) Net worth of bidder based on latest Audited Accounts as furnished for 'b' above should be higher than 50% of paid up capital in case of companies.</p> <p style="text-align: center;">AND</p> <p>d) Bidder must have earned cash profit in any one of the three Financial Years as applicable in case of 'b' above based on latest Audited Accounts.</p> <p>=====</p> <p><u>Explanatory Notes for QR 'a'</u></p> <p>1. The word 'executed' means the bidder should have achieved the criteria specified in the QR even if the total contract has not been completed or closed</p> <p>2. Porta Cabins means "Self contained, furnished, ready to use Portable cabins" of steel fabricated framework.</p>
02	<p><u>Fulfillment of Qualifying Requirements:</u> A bidder must satisfy all the Qualifying Requirements stipulated under 'a', 'b', 'c' and 'd' of this Specification, concurrently in order to get qualified.</p>
03	<p><u>Earnest Money Deposit (EMD):</u> Refundable, Non-interest bearing EMD of Rs 2.0 Lakhs is applicable for this Tender. Bidders may also opt to deposit "One Time EMD" of Rs. 2.0 lakhs and thus be exempted henceforth from payment of EMD with each tender of BHEL-PSWR Nagpur. EMD shall be paid ONLY by Account Payee Demand Draft in favour of "Bharat Heavy Electricals Limited" payable at Nagpur.</p> <p>Those bidders who have already deposited 'One Time EMD' earlier need not submit EMD with the present tender. However they shall indicate the payment details of the 'One Time EMD'.</p>
04	<p>The bidder shall submit all documents as called for in the Technical specifications.</p>
06	<p>The Rates shall remain firm for a period of 30 months from date of PO. BHEL may at its discretion may chose to extend the validity of the rates for a further period of six months on the same terms and conditions.</p>
07	<p>Payment Terms :</p> <p>a) 80% of basic + 100% taxes, duties and freight shall be payable on receipt at Site</p> <p>b) 10% within 30 days of acceptance of installation at Site</p> <p>c) 10% after completion of warranty period of 1 year</p>

Thanking you,

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LTD.

DEPUTY GENERAL MANAGER (PURCHASE)

BHARAT HEAVY ELECTRICALS LIMITED
PSWR:HQ:NAGPUR

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C) TECHNO-COMMERCIAL TERMS & CONDITIONS: (PART OF TECHNICAL CUM COMMERCIAL BID)

SN	DESCRIPTION OF T & C	TERMS & CONDITIONS AS QUOTED IN THIS TENDER
01	DELIVERY TERMS	F.O.R. DESTINATION
02	PLACE OF DELIVERY	See Appendices I & II
03	DELIVERY PERIOD FROM THE DATE OF ORDER	See Appendices I & II
04	CURRENCY OF PAYMENT	INR
05	PACKING & FORWARDING CHARGES	Included @ _____ % (or) Extra@ _____ %
06	EXCISE DUTY (% RATE)	Included @ _____ % (or) Extra@ _____ % (or) Not Applicable
07	EXCISE INVOICE TO AVAIL CENVAT BENEFIT BY BHEL	SHALL BE PROVIDED / NOT PROVIDED
08	CST/ VAT WITHOUT CONCESSIONAL FORMS “C” / “D” (% RATE)	Included @ _____ % (or) Extra@ _____ % NO “C” OR “D” FORM WILL BE ISSUED BY BHEL
09	OCTROI / ENTRY TAX AT DESTINATION	Extra, if applicable shall be paid by BHEL on submission of original receipt.
10	FREIGHT CHARGES UP TO DESTINATION	Included @ _____ % (or) Extra@ _____ % BIDDER TO INDICATE APPLICABLE PERCENTAGE.
11	TRANSIT INSURANCE CHARGES	BY BHEL. SUPPLIER HAS TO INTIMATE THE DISPATCH DETAILS TO BHEL’S UNDERWRITERS AS SOON AS THE MATERIAL IS DISPATCHED.
12	ANY OTHER CHARGES (please specify here the nature of charge)	(AMOUNT TO BE SPECIFIED IN THE PRICE FORMAT)
13	PAYMENT TERMS (Specify scope of Banker’s Charges at both ends / Demand Draft Charges)	REF SPECIAL TERMS AND CONDITIONS
14	MODE OF DISPATCH	BY ROAD / RAIL / SHIP / AIR / CARGO COURIER / SPECIAL MESSENGER / HAND DELIVERY
15	NAME OF THE GOODS MANUFACTURER / PRINCIPALS	
16	TRADE NAME / MODEL NUMBER OF GOODS	
17	AUTHORIZED DEALERSHIP CERTIFICATE	CERTIFICATE OF MANUFACTURER/PRINCIPALS: ENCLOSED / NOT ENCLOSED
18	WARRANTY / GUARANTEE CONDITIONS	
19	PRODUCT CATALOGUE / WRITE UP	ENCLOSED / NOT ENCLOSED

SIGNATURE & SEAL OF TENDERER

Bharat Heavy Electricals Limited
 Power Sector, Western Region, Nagpur
ENQUIRY NO. 08059E (Rev 01) for PORTA CABINS

PRICE FORMAT

**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR:WESTERN REGION:NAGPUR**

NAME OF THE TENDERER: _____

SELLER'S REF. No. _____ DATE : _____

ENQUIRY No.: 08059E (Rev 01)

S.N.	DESCRIPTION	PORTA CABIN (TYPE-B ***)
A	ITEM DESCRIPTION AS PER ENQUIRY (PLEASE QUOTE THE BRAND NAME AND MODEL NUMBER IF ANY)	
B	QTY OFFERED	
C	UNIT RATE	
D	CURRENCY	
E	DISCOUNT IF ANY (%AGE)	
F	DISCOUNT AMOUNT (in Rupees)	
G	DISCOUNTED BASIC PRICE (G = C - F)	
H	PACKING & FORWARDING CHARGES	
I	EXCISE DUTY (PERCENTAGE AND AMOUNT)	
J	EXCISE INVOICE FOR CENVAT BENEFIT	
K	CST / VAT WITHOUT C-FORM (PERCENTAGE & AMOUNT)	
L	FREIGHT UPTO DESTINATION (indicate % and AMOUNT)	
M	TRANSIT INSURANCE	
N	OCTROI CHARGES / ENTRY TAX AT DESTINATION	EXTRA if applicable, at ACTUAL on production of original receipt
O	TOTAL PRICE AT DESTINATION (SUM of 'G' to 'O')	

NOTES:

1. PLEASE USE ADDITIONAL SHEETS IF NECESSARY
2. FURNISH FURTHER BREAK UP OF PRICE IF NECESSARY

SIGNATURE OF THE TENDERER WITH SEAL

Note:

- This Price Bid shall be sent in separate sealed envelope as described in General Conditions of Contract
- Price should be quoted in details as indicated above
- *****: Price to be Quoted for Type 'B' PORTA CABINS. All other PORTA CABINS shall be in terms of Percentage (%) of Type 'B' as indicated in Section xi of Annexure - I**

ANNEXURE-I
TENDER ENQUIRY NO. 08059E (Rev 01)

TECHNICAL SPECIFICATION:

i) Technical Specification for Porta-Cabins of size 20' x10' x 8' (Outer to outer)

Sr.No.	Component	Description	Remarks
A) Main Load Bearing members			
1	Bottom Frame	150mm specially Pressed formed profile of appropriate geometry made of MS sheet (IS 10748 or equivalent) 2.5mm Thick.	
2	Top frame	150mm specially Pressed formed profile of appropriate geometry made of MS sheet (IS 10748 or equivalent) 2.5mm Thick	
3	Stiffeners Bottom	75mm x 40mm Pressed formed rectangular hollow Pipes made of MS sheet(IS 10748) 2.5mm Thick	
4	Stiffeners Top	50 x 25 x2.5mm & 32 x 32x 2mm (ridge) Pressed formed hollow Pipes made of MS sheet (IS 10748) 2.5mm Thick	
5	Corner/Side Posts	Specially Pressed formed profile of appropriate geometry made of 3.15mm thick M.S sheet	
6	Steps/Stairs	Fabricated steel steps of detachable type having three treads shall be provided in each cabin for getting inside at main entry door. This shall be made of chequered plates 8mm thick & formed section of plate 2.5mm.	
B) External and Internal Paneling			
1	Side wall Stiffeners	Specially Pressed formed profile of appropriate geometry made of 2.0 mm thick M.S sheet	
2	Paneling outside	Side wall made of vertically corrugated 1.6 mm thick M.S sheet. Corrugated panels are continuously butt welded to form entire wall structure and the assembled wall structure is continuously welded to the peripheral frame members. The side and end wall will also provide cut outs for Doors and windows as per approved plan. All the cut outs after fixing the equipments will be weather tight and proper channeling will be provided for window opening.	Galvanized sheet(1.25mm) shall not be used
3	Internal wall Paneling	12mm thick commercial ply of reputed manufacturer with 1mm sun-mica sheet of elegant wood texture (exclusive office look)	
4	Roof outside	Made of corrugated 1.6 mm thick M.S sheet. Corrugated panels are continuously butt welded to form entire roof structure and the assembled roof structure is continuously welded to the peripheral frame members. Roof shall be entirely weather tight.	
5	False ceiling	9mm thick commercial ply of reputed manufacturer with 1mm thick sun-mica sheet of elegant wood texture (exclusive office look) matching with internal wall paneling.	
6	Welding Process	All welding shall be carried out using CO2 shielded MIG welding process. All cutout opening are to be sealed properly. Welding shall be done by highly qualified sheet metal welder.	

7	Bottom flooring	25 mm thick commercial ply of reputed manufacturer with 2mm thick PVC Roll/Vinyl carpet of elegant wood texture appearance (exclusive office look). Floor boards are secured to the base with the help of Zinc coated self tapping screw .Bottom of the floor shall be painted with Bituminuos Epoxy paint.	
C) Doors and Windows:			
1	Aluminum Windows	Horizontal two track sliding type anodized aluminum extruded section window of average thickness 2mm with 4mm Tinted Glass including Grills/safety/guard bars of MS Square bars 8/10 mm having overall dimension 585mm x 800mm (H x W). Window sill shall be decided as per the height of work station. Window shall be fitted with SS fly-proof wire mesh in suitable frame and Rain-shed (canopy) made from 1.6mm thick MS sheet and Vertical blinds.	
2	M.S Doors	Insulated single leaf Door with overhead Hydraulic Door Closer of reputed make, Mortice Lock (Godrej Make), Al-drop, stopper, handles and other associated accessories (All chrome plated). External and internal portion of the door shall match with specification of outside paneling and inside paneling respectively (Sr.No.7 & Sr.No.8).Thickness of the door frame shall be as per the Corner post refer Sr.No.5 . Puff insulation shall be as 50mm thick. Door shall have Rain-shed (canopy).	
3	Insulation	Puff Insulation (Side wall – 50mm thick ,Ceiling – 75mm thick)	
D) Electrical Installation, Telephone and Data cabling :			
1	Main electric supply (Normal 3 Ph 4 wire supply)	Main electrical inlet shall be through Cutler, Hammer make IP-55 certified 5 Pin welding socket (63Amp). All wiring shall be done with Finolex/Anchor Make FRLS multi-strand copper wire and concealed type using PVC conduits. The wiring of Air Conditioner (AC) should be 6 Sqmm and for lighting/Fans should be 4Sqmm. One main incomer distribution board (3Ph-4 wire) should be provided in each cabin with 1 No. ELCB along with 63Amps 3 pole MCB and individual MCBs for light, fans and AC. All MCBs shall be housed in metal enclosure. UPS power supply	
2	UPS power supply	UPS inlets supply shall be through Cutler, Hammer make IP-55 certified 5 Pin welding socket (63Amp). These sockets should be mounted on outside wall of the cabin and further connected to Main distribution board inside the cabin having provision of incoming MCB 32Amps, 2 Pole and MCB at each sitting arrangement including internal wiring from Main Board up to the switch socket for further distribution. All wiring shall be done with Finolex/Anchor Make FRLS multi-strand copper wire 2.5mm square cable concealed type using PVC conduits	
3	Telephone and Network cabling	One (1) No. Junction Box with Lock and Key should be mounted outside the Cabin for connecting to external telephone lines and network data cables. The junction Box should have provision for connecting at least four telephone lines and for connecting external network cabling type CAT-6. The cable should be terminated on Krone connectors and should be wired to the Telephone, outlets inside the cable. One (1) No. 8 port D-Link switch should be mounted inside the cabin and further internal cabling shall be done with CAT-6 cables. Cabling from D-Link switch to users nodes is within the scope of work.	

4	Electrical fittings and equipments	<p>Tubes – 4Nos., Doors Lights – 1No., Ceiling mounted Fans swing type (12")- 2 Nos., Switches, Sockets (5/15A), Telephone outlets type RJ-11socket and Air-conditioner points with Earth Leakage Circuit Breaker as per requirement of Electricity norms. All fittings shall be Anchor/Havels make, Split AC (Voltas, Videocon, LG, Samsung, Godrej make)-1.5T with arrangement of condenser unit at one corner inside cabin but openable from out side with locking arrangement, Fridge (LG/Kelvinator/Godrej/Samsung make 220 Ltr).</p> <p>Note:</p> <p>a. All Illumination shall be of Compact fluorescent lamps (CFLs) of appropriate wattage and fixtures</p> <p>b. Split Air conditioners and Refrigerators shall be of minimum 3 star BEE Rating</p>	
E) Painting:			
1	Exterior Painting	<p>Zinc rich Epoxy Primer – 25 Micron Epoxy Polyimide – 30-35 Micron Chlorinated Rubber/PVC Top coat-35-40 Micron Total -100 to 110 Micron Colour : dark blue upto window sill and off white above window sill.</p>	<p>All the components of the container are shot/grit blasted to achieve a surface equivalent to Swedish standard of SA 2.5 and primer painted. After assembly of the container the welded joints are cleaned by abrasive mechanically. The container is painted with three coat system using air less spray painting mechanism.</p>
2	Interior Painting	<p>Zinc rich Primer – 35 Micron Epoxy Polyimide – 40-45 Micron Total -75 to 80 Micron Colour Grey, RAL- 7035</p>	
3	Understructure	<p>Zinc rich Primer – 15 Micron Bituminous Paint or Tectyl 121B-135 Micron Total -150 Micron</p>	
F) Furniture for Porta Cabin Work Stations:			
1	Tables	<p>Continuous work station along the inner face of the wall all around leaving door location. Each work station shall be min. 4' (four fit) length, 2' (two fit) width, drawers on right hand side (3 drawers (2 small, one big on full height) and half partition (18"ht) in between. Table top and leg shall be of min. 18/19mm commercial ply with elegant wood finish sun-mica on top. All drawers & selves shall be 12mm commercial ply with similar sun-mica finish</p>	
2	Chairs, Sofa, Centre Table	<p>Chairs, Sofa set, Centre Table not in scope of this specification.</p>	
3	Overhead cabinets	<p>Continuous overhead file cabinets with shutters along the workstation with 18/19mm commercial plywood & matching sun-mica finish. (Chairs excluded from scope of supply)</p>	
G) Lifting Hooks and Base plate with four holes on corner Post:			
1		<p>Necessary lifting hooks for loading, unloading shall be provided. All the corner post shall have min. 16mm base plate of size 250mmx250mm with 4 nos. 16mm dia. holes for fixing anchor bolt after installation of cabins over the concrete blocks.</p>	
H) Safety Appliances:			
1		<p>1 No. fire portable Fire Extinguisher shall be in each cabin at appropriate location.</p>	

ii) : Specification for other PORTA CABINS:

Sl no	ITEM DESCRIPTION	SPECIFICATIONS	REMARKS
1	Materials, finish and painting	Shall be same as in (i) above	
2	Electrical installation, Fittings & fixtures, Equipments	Shall be same as in (i) above. ACs, Fridges and other equipments as indicated in respective Plans (It is only indicative & can be improved to suit to requirement).	
3	Doors, Windows and Furniture	As indicated in respective Plans. It is only indicative & can be improved to suit to requirement.	
4	Chairs, Sofa & Center Table	Not in this scope	

iii) : Specification for PORTA CABIN (TOILET BLOCKS):

Sl no	ITEM DESCRIPTION	SPECIFICATIONS	REMARKS
1	Materials, finish and painting	Shall be same as in (i) above	
2	Electrical installation, Fittings & fixtures, equipments	Shall be same as in (i) above. It is only indicative & can be improved to suit to requirement. Adequate nos. of Exhaust fan (Compton greaves, Bajaj, Khetan or equivalent) shall be provided.	
3	Sanitary wares	As indicated in respective Plans. It is only indicative & can be improved to suit to requirement. All sanitary wares (like European commode, urinal pots, wash basin, flushing cisterns etc) shall be of Parryware or Cera make & all fittings like taps, cocks, showers, telephone showers, toilet spray, towel rods, soap dishes shall be of Parryware or Jaguar make.	
4	Floors	Floor shall be of min. 18mm marine grade ply with 2mm thick PVC sheet pasted in single piece over ply wood.	
5	Doors, Windows	Outer doors shall be as per work station. All internal doors shall be of PVC. All ventilators shall be Aluminum glazed with louvers.	
6	Chairs, Sofa & Center Table	Not in this scope	

iv) : Shop Inspection:

There shall be periodical inspection of processes by BHEL, at least at three stages – 1st stage during welding process of main frame for inspection of materials and welding quality; 2nd stage during internal & external paneling, and insulation; 3rd stage during Furnishing, electrical loop circuit testing, and finish painting. Minor modifications, if any, may be required to be carried out which will be specified during the stage of inspection/manufacturing process. Rates quoted should consider this aspect also.

Bidder to submit Manufacturing Quality Plan indicating above Customer witness points

v) : Marking:

Each Porta Cabin shall be marked externally with the following:

1. Manufacturer's details:

- Name & address of Manufacturer
- Manufacturer's Type and Serial No.
- Maximum Permissible distributed floor loads
- Maximum external size
- Maximum weight of unit for lifting
- Position of lifting & anchoring points
- Suitability of stacking

2. NAME PLATE:

- Porta Cabin Type and Number < Numbering system shall be intimated by BHEL later >
- BHEL Logo: The Main Door should carry a logo of BHEL, made of stainless steel embossed.

vi) : Warranty:

- 1 year for workmanship & defective materials
- 3 years for painting as per European scale of rusting RE3 (10% of total surface). However normal wear & tear and damage by external impact etc. are not covered.

vii): First installation at Site and after Sale Service:

During the first installation(for each Porta cabin) at site, manufacturers shall depute their technician to check placement of cabins over the pedestal, all fittings, fixtures and electrical installation ,AC etc. and to ensure successful operation of Porta cabin at site. Minor repairs/rectification involving dent repairs, painting etc due to transportation/transit damages shall be rectified by Manufacturer at no extra cost.

Warranty/Guarantee for electrical installation/Equipments like Air conditioner(AC), Fans, Lighting shall either be extended in the name of BHEL from original supplier of Equipment or to be taken care by the supplier of the Porta cabin as a part of Warranty.

viii) : Destination and delivery period:

The Porta Cabins of different types required at various sites are indicated in relevant appendices.

Prospective bidders to note that the sites and quantities indicated are tentative and BHEL reserves the right to alter the quantities and the combinations thereof for any/all of the destination sites.

For arriving at the landed cost, bidders shall indicate the freight charges as percentage (%) of individual porta cabin charges in the 'Price Format' enclosed.

BHEL may choose to release PO with staggered deliveries.

ix) : Layout and indicative Plan:

Indicative Sketches showing Layout and plan for some types of Porta Cabin is hosted as file titled "Sketches for Porta Cabin". Bidder shall prepare and submit General Arrangement Drawings, Detailed Mechanical & Electrical Wiring Diagrams, and Bill of Quantities for Furniture and accessories for each of the 9 types of Porta Cabins at the time of submission of Tender.

x) : General:

1. The Porta Cabins shall be of ready to use type. BHEL shall provide only level space of suitable compaction and if necessary concrete blocks/steel stools for resting the Porta Cabins. Bidders shall specify the number and size of concrete blocks/steel stools and ground compaction required, in the technical bid.
2. The porta cabins proposed by the bidder shall be of optimal weight/volume so as to facilitate handling and transportation.
3. BHEL envisages the porta cabins to be used for at least three sites over a period of 10 years, and hence should be suitable for being hauled over long distances besides being rugged in design so as to suit site conditions.
4. Sketches enclosed with Tender documents are only indicative.
5. Name plates shall be of stainless steel embossed type. The size and details to be indicated there in shall be informed later.

xi) : Prices:

- In the 'PRICE FORMAT, Bidder shall indicate his quote for Porta Cabin Type 'B' only, and arrive at 'Total Price at destination' against sl no 'O' for the subject type. The prices for the rest of the types of Porta Cabins shall be in terms of percentages of Type B as indicated in Appendix-III

APPENDIX – I

Type, Size and TENTATIVE Quantity of PORTA CABINS

Type	Purpose and Size	Tentative destination and tentative Quantities						
		CHT	MOUDA	SATPURA	JINDAL	IDEAL	BINA	BHARUCH
A	For Construction Manager + Visitor + PA : 2 units each of size 20' x 10' x 8', interconnected by means of a footbridge, and covered at roof level. (2 units together form one set)	1	1	1	1	1	1	1
B	For Sr. Executive (Functional Heads) - 20' x10'x 8'	3	3	3	3	1	3	1
C	For Field staff (20 x 10' x8') – Each cabin shall have min. 8 nos. work station	4	4	4	4	2	4	2
D	For Conference hall of 40'x10'x8'	1	1	1	1	1	1	1
E	For Site Finance (20'x 10'x 8')	1	1	1	1	1	1	1
F	For System & Computers : (20'x10'x8'). 5 work stations, one printer and one network space.	1	1	1	1	1	1	1
G	Documentation(20'x10'x8')	1	1	1	1	1	1	1
H	Rest Room (20' x 10' x 8'). Mattresses, pillow etc of Kurlon make.	1	1	1	1	1	1	1
J	Toilet (20' x 10' x 8')	1	1	1	1	1	1	1
K	Pantry (20' x 10' x 8') – one side platform with granite top, sink, exhaust fan, ceiling fan-2, tube lights-3, shelves, other side with fixed type sitting platform. Overhead cub-boards, water tap, sufficient no. of power plugs of 5/15 amps, Two windows.	1	1	1	1	1	1	1
L	Security (5'x6' x 8') : one table, fan, space for chair, hanger for clothes, power plugs. One window	4	4	4	4	2	4	2

Legend:

- CHT : 2x500 MW Project, Chandrapur, Maharashtra
- MOUDA : 2x500 MW Project, NTPC, Mouda, Nagpur, Maharashtra
- SATPURA : 2x250 MW Project, PO Sarni, Betul District, Madhya Pradesh
- JINDAL : 4x600 MW Project, Raigarh, Chattisgarh
- IDEAL : IDEAL ENERGY, Bela, Nagpur
- BINA : 2x250 MW, BINA, Madhya Pradesh
- BHARUCH: 1x33 MW COGEN PLANT, GNFC, Bharuch, Gujarat

APPENDIX – II

TENTATIVE Delivery schedule for PORTA CABINS

Type	Purpose and Size	Within Months of placement of PO						
		2 months	4 months	6 months	12 months	18 months	24 months	30 months
A	For Construction Manager + Visitor + PA : 2 units each of size 20' x 10' x 8', interconnected by means of a footbridge, and covered at roof level. (2 units together form one set)	2	1	1				
B	For Sr. Executive (Functional Heads) - 20' x10'x 8'	2	2	2	2	3	3	3
C	For Field staff (20 x 10' x8') – Each cabin shall have min. 8 nos. work station	2	2	4	4	4	4	4
D	For Conference hall of 40'x10'x8'	1	1	1	1	1	1	1
E	For Site Finance (20'x 10'x 8')	1	1	1	1	1	1	1
F	For System & Computers : (20'x10'x8'). 5 work stations, one printer and one network space.	1	1	1	1	1	1	1
G	Documentation(20'x10'x8')	1	1	1	1	1	1	1
H	Rest Room (20' x 10' x 8'). Mattresses, pillow etc of Kurlon make.	1	1	1	1	1	1	1
J	Toilet (20' x 10' x 8')	1	1	1	1	1	1	1
K	Pantry (20' x 10' x 8') – one side platform with granite top, sink, exhaust fan, ceiling fan-2, tube lights-3, shelves, other side with fixed type sitting platform. Overhead cub-boards, water tap, sufficient no. of power plugs of 5/15 amps, Two windows.	1	1	1	1	1	1	1
L	Security (5'x6' x 8') : one table, fan, space for chair, hanger for clothes, power plugs. One window	4	4	4	4	4	2	2

Appendix - III

Calculation of Applicable Rate in terms of rate quoted for Porta Cabin Type 'B'

Type	Purpose & Size	Unit of measurement	Applicable Rate per Unit of measurement
A	Construction Manager + Visitor + PA: 2 units each of size 20' x 10' x 8', interconnected by means of a footbridge, and covered at roof level. (2 units together form one set)	Set	200% of 'X'
B	Sr. Executive (Functional Heads) - 20' x10'x 8'	Number	'X'
C	Field staff (20 x 10' x8')	Number	120% of 'X'
D	Conference hall of 40'x10'x8'	Number	180% of 'X'
E	Site Finance (20'x 10'x 8')	Number	100% of 'X'
F	System & Computers : (20'x10'x8').	Number	90% of 'X'
G	Documentation(20'x10'x8')	Number	100% of 'X'
H	Rest Room (20' x 10' x 8')	Number	100% of 'X'
J	Toilet (20' x 10' x 8')	Number	100% of 'X'
K	Pantry (20' x 10' x 8')	Number	70% of 'X'
L	Security Cabin (5'x6' x 8')	Number	20% of 'X'

Note:

- "X" is the value of 'Total price at destination' against sl no 'O', derived from the price quoted by the bidder for Porta Cabin Type 'B' in 'Price Format'
- Applicable Rate per Unit as calculated above shall be rounded off to the nearest Rupee

Example:-

- Say Rs 10,537.77 is the value of "X" in Rupees for 'Total price at destination', as derived from the price quoted by bidder for Porta Cabin Type 'B' in 'Price Format'
- The applicable rate per Unit of measurement for sl nos A to L of above table shall be as calculated below:

SI No	Description/Item of work	Applicable rate per UOM (rounded off to nearest Rupee)
A	Construction Manager + Visitor + PA: 2 units each of size 20' x 10' x 8', interconnected by means of a footbridge, and covered at roof level. (2 units together form one set)	200% of Rs 10,537.77 = Rs 21,076/-
B	Sr. Executive (Functional Heads) - 20' x10'x 8'	Rs 10,538/-
C	Field staff (20 x 10' x8')	120% of Rs 10,537.77 = Rs 12,645/-
D	Conference hall of 40'x10'x8'	180% of Rs 10,537.77 = Rs 18,968/-
E	Site Finance (20'x 10'x 8')	100% of Rs 10,537.77 = Rs 10,538/-
F	System & Computers : (20'x10'x8').	90% of Rs 10,537.77 = Rs 9,484/-
G	Documentation(20'x10'x8')	100% of Rs 10,537.77 = Rs 10,538/-
H	Rest Room (20' x 10' x 8')	100% of Rs 10,537.77 = Rs 10,538/-
J	Toilet (20' x 10' x 8')	100% of Rs 10,537.77 = Rs 10,538/-
K	Pantry (20' x 10' x 8')	70% of Rs 10,537.77 = Rs 7,376/-
L	Security Cabin (5'x6' x 8')	20% of Rs 10,537.77 = Rs 2,108/-