

Ministry of Health & Family welfare, Govt. of India

Through HSCC (India ) Ltd.  
plot no. – E-6(A), Sector-1, Noida-201301 (U.P)

Short term Tender Notice

HSCC/335/Sign/PG-II/2008

Dated: 18/06/2008

Tender document in sealed envelope are invited from reputed signage agencies for the works: Internal, external signages and associated works at PGIMER , Dr. RML Hospital., New Delhi. Estimated cost: 20 **laks**. Completion period: 20 Days. Interested agencies having sound back ground of executing similar nature of works in Govt/PSU's/Autonomous bodies/reputed Private institutions may obtain the tender documents on any working day from 20.06.08 to 24.06.08 till 1500 hrs from HSCC at above address against a non-refundable fee of Rs. 500/- in the form of pay order/DD/cash in favour of HSCC (India) Ltd. payable at NOIDA or tender document may also be downloaded from our website [www.hsccltd.Co.in](http://www.hsccltd.Co.in) and submitted along with the demand draft of Rs. 500/- in favour of HSCC (India) Ltd, Noida. **A complete document in sealed envelope is due for submission at above address not later than 1700 hrs. of 24.06.08**

Dy. Manager (C)

## **INSTRUCTION TO BIDDERS**

### **GENERAL**

#### **1.0. Description of Works**

- 1.1** The site for Internal and external signage are required to be supplied and fixed for PGIMER at Dr. RML Hospital, New Delhi. The scope of work shall also include their maintenance during defect liability period.

#### **1.2. The Principal Employer/Employer**

Ministry of Health & family welfare , Govt. Of India, New Delhi shall be principal Employer/employer/owner for the work "Internal and external signage are required to be supplied and fixed for PGIMER at Dr. RML Hospital, New Delhi "

All documents relating to labour license, statutory authority for obtaining necessary clearance etc is to be signed/endorsed by Principal employer/employer/owner.

- 1.3. In these documents whenever the word tender/tendered/tendering has been used, the same may be considered synonymous with/bid/bidder/bidding.

#### **1.4. Time for Completion & Commandment of works**

The successful bidder shall complete the works within 20 Calendar days from the date of placement of order. Commencement shall be within 2 days from the date of issue of work order.

#### **2.0. Information to be submitted.**

- 2.1. Bids submitted shall include the following information:

- (a) Copies of original documents defining the constitution, legal status, place of registration and principal place of business of the company or firm.

#### **3.0. Cost of Bidding**

- 3.1. The bidder shall bear all costs associated with the preparation and submission of this bids and "The Employer" will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

#### **4.0. Site Visit**

- 4.1. The bidder is advised to acquaint himself with the job involved, visit the Site & examine soil conditions, climatic conditions, labour, power, material availability, transport and communication facilities environmental regulations, laws and bye-laws of statutory local bodies and the Govt. of India and collect all information that will be necessary for preparing the bid and entering into a contract.

The cost of visiting the Site and collecting information for the purpose of submission of the bid shall be to the bidder's account.

- 4.2. The bidder and any of his personnel or agents will be granted permission by the Employer to enter upon the site for the purpose of such inspection, but only upon the express condition that the bidder, his personnel or against all liabilities in respect thereof and will be responsible for personnel injury (Whether fatal or otherwise), loss of or damage to property and any other loss, damage, costs and expense however caused, which, but for the exercise of such permission would not have arisen.

## **BID DOCUMENTS**

### **5.0. Content of Bid Documents**

5.1. The Bid Documents comprise the following:-

|           |   |  |
|-----------|---|--|
| Volume I  | = | General Conditions & Special Conditions of contract & instructions to bidder |
| Volume-II | = | Technical Specifications   |
| Volume-II | = | Bill of Quantities   |

5.2. The bidder is expected to examine carefully all instructions, condition, forms, terms, specifications and drawings in the Bid documents, Failure to comply with the requirements of the Bid Documents will be at the bidder's own risk.

### **6.0. Clarification of Bid Documents**

6.1. A prospective bidder requiring any clarifications on the Bid Documents may notify the Engineer in writing or by telex or cable at the Engineer's mailing address indicated in the Bid Documents.

### **7.0. Amendment of Bid Documents**

7.1. At any time prior to the dead line for submission of bids, the Engineer may for reason, whether at his own imitative or in response to a clarification requested by the prospective bidder, modify the Bid Documents by amendment required nor permitted to modify his bid, but will be required to extend the validity of his bid security correspondingly.

### **8.0 Bid Security**

8.1 The bidder shall furnish a bid security of the amount of **Rs. 40,000.00 (forty thousand only). No deviation shall be permitted from this.**

8.2. The bid security shall be in the form of a demand draft/pay order in favor of HSCC (India) Ltd., Plot-6(A), Block-E, Sector-I, NOIDA, UP-201 301 from any Nationalized bank/Scheduled bank.

8.3. Any bid not accompanied by an acceptable bid security will be straightaway rejected.

8.4. The bid securities of unsuccessfully bidders except L2 bidders will be returned as promptly as possible after receiving performance security from lowest bidder.

8.5. The bid security of the L1 & L2 bidders will be returned upon award of work to L1 bidder.

8.6. The bid security may be forfeited:

- a) If a bidder withdraws his bid during the period of bid validity.
- b) In the case of successful bidder, if the does not.
  - i) enter into the contract or
  - iii) agree to arithmetic corrections made as per terms of bid documents.

8.7 No interest will be payable by the engineer on the bid security amount cited above.

### **8.0 Bid Validity**

- 8.1 The bid submitted by the agency shall be valid for 06 (six) month from the date of submission.

#### **10.0 Format and Signing of Bid**

- 10.1 The tender shall be filled & signed only by the firm/corporation in whose name the tenders have been issued. The bid shall be typed or written indelible ink and duly signed by a person or person duly authorised to being the bidder to the contract.
- 10.2 All pages of bid shall be initialed and stamped by the person signing the bid where entries or amendments have been made.
- 10.3 The complete bid shall be without alterations interlining and erasures except those to accord with instruction issued by the Engineer or as necessary to correct errors made by the bidder in which case such correction shall be initialed by person signing the bid.

#### **SUMBISSION OF BID**

#### **11.0 Sealing, Marking & Submission**

- 11.1 The bid shall be submitted in accordance with the procedure detailed herein. Specified documents, shall be enclosed in envelope of appropriate size each of which shall be sealed.

- (i) **Envelope No. 1:** Shall contain the bid security as indicted above covering letter and the other bid documents.
- (ii) **Envelope No. 2:** Shall contain Volume I & II consist of Specifications & conditions of contract duly signed and stamped without any conditions whatsoever, Bids containing any conditions in Enveloped No. 2 are liable to be summarily rejected.
- (iii) **Envelope No. 3 :** Bill of Quantities( vol.II), and rates/prices duly filled in and signed and stamped without any conditions whatsoever,

The contractor must fill up price against each item of BOQ (Volume III) both in words and figures in the blank spaces provided in the respective columns.

The rates written in words shall prevail in case of any variation between the rates mentioned in figure and words.

Please note that the price should not be indicated in any of the documents enclosed in envelope 1. Non-compliance shall entail rejection of the bid.

- 11.2 The bidder shall seal the bid.
- 11.3 All the above three envelopes shall be sealed in a fourth envelope and addressed to The Chief General Manager (P), HSCC (India) Ltd., Plot-6(A), Block-E, Sector-I, Noida, Uttar Pradesh-201 301.
- 11.4 All the above envelope shall bear the following identification.

Name of work:

Internal and external signage are required to be supplied and fixed for PGIMER at Dr. RML Hospital, New Delhi **and Date and time.**

- 11.5 All the envelopes shall indicate the name and address of the bidder to enable the bid to be returned unopened if required.
- 11.6 All recipients for the purpose of submitting a bid shall treat the contents of the documents as private and confidential.

## **12.0 Deadline for submission of bids**

- 12.1 Bids must be received by the Engineer, HSCC (I) Ltd., not later than as specified in NIT.
- 12.2 The Engineer may, at his discretion, extend the deadline for submission of bids through the issuance of an amendment in accordance with Clause 7 in which case all rights and obligations of the Employer and the bidders previously subject to the deadlines shall thereafter be subject to the new deadline as extended.

## **BID OPENING AND EVALUATION**

### **13.0 Bid Opening**

- 13.1 Bids shall be opened in the office of HSCC (India) Ltd. at Plot -6(A), Block-E, Sector-I, Noida, Uttar Pradesh-201 301, on intimated dates in presence of the bidders representative who may wish to be present.

**Envelope No. 1:** Shall be opened first. If the Bid Security is not found as prescribed the bid shall be summarily rejected. Conditional Bids of parties shall be liable to be rejected.

- 13.2 Telegraphic/Fax offer will be treated as defective, invalid and rejected. Only detailed complete bids received prior to the closing the closing time and date of the bids will be taken as valid.
- 13.3 The bidder's names, general technical details, the presence of the requisite bid security and such other details as per Engineer, at his discretion may consider appropriate will be announced at the bid opening.

**Envelope No. 2:** Contain the sealed Tender documents like Instruction of bidder, General condition of contract shall be opened

- 13.3 (a) **Envelope No. 3** : Contain sealed price bid shall be opened of prequalified parties after intimation.
- 13.4 Only summary of prices quoted by the bidders will be read out.
- 13.5 The bid of any bidder who has not complied with any of the instructions contained herein may not be considered.

### **14.0 Process to be Confidential**

- 14.1 After the public opening of bids, information relating to the examination, clarification, evaluation and comparisons of bids and recommendations concerning the award of contract shall not be disclosed to bidders or other persons not officially concerned with such process.
- 14.2 Any effort by the bidder to influence the Employer/Engineer in the process of examination, clarification, evaluation and comparison of bids and decision concerning award of contact may result in the rejection of the bidder's bid.

### **15.0 Clarification of Bids**

- 15.1 To assist in the examination, evaluation and comparison of bids, the Engineer may ask bidders individually for clarification of their bids, including breakdowns of unit prices. The request for clarification and the response shall be in writing or cable or telex, but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction or arithmetical errors discovered by the Engineer during the evaluation of the bids in accordance with Clause 24 hereof.

### **16.0 Determination of Eligibility Responsiveness-DELETED**

### **17.0 Correction of Errors**

- 17.1 Bids determined to be substantially responsive will be checked by the Engineer for any arithmetical errors in computation and summation, Errors will be dealt by the Engineer as follows:-
- a) Where there is discrepancy between rates indicated in figures and in words, rates in words will govern.
  - b) Incorrectly added totals will be corrected.
  - c) In case of any clerical error between the rates indicated in figures and words, the rate in words would prevail. In case there is any inconsistency between the rate and the value extended (after multiplication with the tender quantity), the rate quoted shall prevail.
- 17.2 If a bidder does not accept the correction of errors as outlined above, his bid will be rejected.

### **18.0 Evaluation and Comparison of Bids**

- 18.1 Only such of the bids as have been determined to be substantially responsive to the requirements of the bid documents, in accordance with Clause 22 will be evaluated. Other non-responsive bids will be rejected.
- 18.2 Bidders shall note that no preference of any nature will be given to any Bidder notwithstanding any custom, usage or instructions to the contrary.
- 18.3 Emulation of the bids will take into account, in addition to the bid amounts, the following factors.
- a) Arithmetical errors corrected in accordance with Clause 21.
  - b) Such other factors as the Engineer considers may have a potentially significant impact on contract execution price and payments.
- 18.4 DELETED
- 18.5 Price adjustment provision applying to the period of execution of the contract shall not be taken into account in bid evaluation except to the extent specifically stated in the contract.

### **AWARD OF CONTRACT**

#### **19.0 Award Criteria**

- 19.1 Subject to clause 26, Engineer will award the contract after prior approval by the Employer to the bidder whose bid has been determined to be eligible and to be substantially responsive to the bid documents and who has offered the lowest evaluated bid of the bill of quantities, provided further that the bidder has the capability and resources effectively to carry out the contract works.

#### **20.0 Engineer's Right to Accept any Bid, to Reject or all Bids**

- 20.1 Notwithstanding Clause 25, the Employer reserves the right to accept or reject any bid including the lowest and to annul the bidding process and reject all bids, at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidders of the grounds for the Employer's/Engineer's action.

#### **21.0 Notification of Award**

- 21.1 Prior to the expiration of the prescribed period of bid validity, the Engineer will notify the successful bidder by cable or telex or letter confirmed in writing by registered letter that his bid has been accepted.
- 21.2 The notification of award will constitute the formation of the Contract.

#### **22.0 Signing of Agreement**

Upon the receipt of the notification of award by the successful bidder, the successful bidder shall fill the Agreement in accordance with form of Agreement

including in the Bid Documents and submit the same to the Engineer within two weeks of the date of receipt of notification of award. The Engineer shall return the draft duly approved within 03 days from the receipt of the draft and successful bidder shall get the same engrossed, have the correct amount to stamp duly adjudicated by Superintendent of Stamps and thereafter return the same duly signed and executed on behalf of the successful bidder, all at his own cost within three weeks from the receipt of the approved draft.

**23.0 Performance Security- DELETED**

**SPECIFIC CONDITIONS OF CONTRACT**

The Conditions of Contract shall be GENERAL CONDITIONS OF CONTRACT in Volume I (hereinafter called the General Conditions as modified or added to by the following specific condition of contract, which shall be read and construed with the general conditions as if they were incorporated therewith.

Insofar as any of the Conditions of specific conditions of contract conflict or be inconsistent with any of the general Condition, the conditions of specific conditions of contract shall prevail.

**24.0 Definitions**

- a) "PRINCIPAL EMPLOYER/EMPLOYER" means MOH & FW .Govt. Of Indi, New delhi
- b) "ENGINEER" Means The CHIEF GENERAL MANAGER (PG-II) of HSCC (India) Ltd. or any officer nominated by the Chairman-cum-Managing Director, HSCC (India) Ltd. to act as Engineer from time to time.
- c) "MONTH" and "YEAR" and all dates shall be calculated according to the Gregorian Calendar.

**25.0 Insurance of Works, etc-**

The following insurance cover is to be provide by the Contractor in the joint names of the Employer and the Contractor for the period from the Start Date of the end of the Defects Notice Period or of the last Defects Correction Period whichever is the later:

- (a) cover against damage to other people's property caused by the Contractor's acts or omissions.
- (b) cover against death or injury caused by the Contractor's acts or omissions to
  - (i) anyone authorized to be on the Site:
  - (ii) third parties who are not on the Site :
- (c) cover against damage to the works an materials during construction.

**27.0 Certification and Payments**

- a) The contractor shall submit to the Engineer after the end of each month a detailed statement including measurements showing the estimated contract value of the permanent works executed upto the end of the month together with particulars of other amounts to which he is entitled under the Contract.
- b) The statement shall be submitted on a printed proforma (Prepared at the cost of the contractor) approved by the engineer.

- c) The contractor shall be paid monthly on the certificate of the Engineer, the amount due to him which shall be the sum of the following amounts.
  - i) Subject to and in accordance with clause 21 of these specific conditions, the estimated contract value of the permanent works executed upto the end of the previous month less retention money named in the bid, and
- d) Retention money at the rate of 5% (five percent) shall be deducted from interim certificate subject to the maximum of 10% ( ten percent) of the contract price.
- e) Payment upon each of the Engineer's certificates shall be made as follows :
 

75% of the estimated amount as determined by the Engineer of the payment due against the monthly running bill shall be paid within 7 (Seven) working days after submission of the bill of the contractor in the approved format and complete in all respects.
- f) The Engineer may at any time make any correction or modifications to any certificate which shall have been issued by him and shall have power to withhold any certificate if the works or any part thereof are not being carried out to his satisfaction.
- g) The responsibility for making the payments or meeting order obligations to the contractor in respect of all works as certified by the Engineer shall be that of the Employer and not of the Engineer.'
- h) After completion of work and prior to final payment, the contractor shall furnish to the Engineer, a release of claims against the Employer arising out of the contract, other than claims specifically identified, evaluated and excepted from the operation of the release by the contractor.

**28.0 Settlement of Disputes-Arbitration**

In case of any dispute between Engineer & Contractor, the decision of CMD, HSCC India Ltd. will be final & binding.

**29.0 Address**

- a. The address of the Employer is as follows:
 

**HSCC India Ltd. E-6(A), Sector – 1, Noida –201301**
- b. The address of the Engineer is a follows
 

The CGM (P), HSCC (India) Ltd., Plot-6(A), Block-E, Sector-I, Noida, Uttar Pradesh-201 301
- c. The address of the Contractor is
 

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\_\_\_\_\_

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**30.1.12 Wage Records:**

The contractor shall maintain records of wages and other remuneration paid to his employees in such form as may be convenient and to the requirements of the Employer/Engineer and the conciliation officer (Central Ministry of Labour, Government of India, or such other authorised person appointed by the Central or State Government and the same shall include the following particulars of each worker:

- i) Name, works number and grade
- ii) Rate of daily or monthly wage.
- iii) Nature of work on which employed.
- iv) Total number of days worked during wage period.
- v) Total amount payable for the work during each wage period.
- vi) All deductions made from the wage with details in each case of the ground which the deduction is made.
- vii) Wage actually paid for each wage period.

30.1.14 The wage records and wage slips shall be preserved for at least 12 months after the last entry.

Any financial repercussion due to above shall be borne by the contractor.

30.1.15 **Taxation**

The contractor and his staff shall pay all taxes, duties, levies etc. of the Government provisions of the Income Tax Act or as per the advice of the Income Tax Authority. Deduction of Income-Tax/other taxes shall be made from each certificate of payment as per the relevant provisions of the Income Tax Act or as per the advice of the Income Tax authority/other competent authority.

30.1.16 a) **Special Instruction**

The contractor shall provide all stationary items required for billing.

30.2.1 **Contractor's Working Area**

Suitable working area will be provided by the Engineer to the Contractor. The Contractor may have to carry out some cutting/filling work for making his working area. The cost of all such works shall be deemed to have been included in the rates in the rates and prices quoted for the works and no extra payment shall be made on this account.

30.2.3 **Procurement of Various Materials- DELETED**

30.2.4 **Telecommunications**

Deleted

30.2.6 **Temporary Fencing**

Deleted

30.2.7 **Testing of Materials/field material testing**

All materials used in the work shall be subjected in inspection and tests on the expenses on contractor.

30.2.8 **Approval of Samples prior to use**

The contractor shall submit the samples of materials, he propose to use in the works for prior approval of the Engineer. Samples shall be kept at site for comparison with materials being used at site.

30.2.9 **Bar Bending Schedule- DELETED**

30.3 **Drawings to be Supplied by Engineer**

The Engineer shall supply to the contractor from time to time during the progress of the works such further drawings as will be necessary in his option for the proper and adequate execution and maintenance of the works in accordance with the design and or any modification thereof as decided by the Engineer and the contractor shall carry out the work in accordance with the said drawings. Any further drawing/detailing require shall be made by the contractor at his own expense.

Photographs to be submitted as and when required .

### 30.4 Priority of contract Documents

The priority of the documents forming the contract shall be as follows:

1. Specification and bill of quantities (Vol - III)
2. Specific Condition of Contract (Vol-I)
3. Indian standard specifications of B.I.S.

### **APPENDIX TO TENDER**

| <b>Important Clause</b>                                  | <b>Volume</b> | <b>Remarks</b>                              |
|--|---------------|---|
| Period of commencement from Engineer's order to commence | 1             | 2 days from the date of issue of work order |
| Amount of Liquidated damages                             | 1             | 1/4% of contract price per week of delay.   |
| Limit of liquidated damages                              | 1             | 5% of contract price                        |
| Defect Liability Period                                  | 1             | 6 months                                    |
| Percentage of retention                                  | 1             | 5%  |
| Limit of retention money                                 | 1             | 10% of the contract price.                  |
| Time of Completion                                       | 1             | 20 calendar days.                           |

**MINISTRY OF HEALTH & FAMILY WELFARE,  
GOVT. OF INDIA, NEW DELHI**

**Tender for**  
Internal and External Signage to be supplied and fixed in PGIMER at  
Dr. RML Hospital, New Delhi

**VOLUME-I**  
**CONDITIONS OF CONTRACT**

**June 2008**



HSCC (INDIA) LTD.  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), sector-1, NOIDA(U.P) 201301 (India)

Phone : 0120-2542436-40

Fax : 0120-2542447

**PQ No. HSCC/335 /BU-HP-II/2007**

**MINISTRY OF HEALTH & FAMILY WELFARE,  
GOVT. OF INDIA, NEW DELHI**

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**VOLUME-III**  
**BILL OF QUANTITIES**

**June 2008**



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**MINISTRY OF HEALTH & FAMILY WELFARE,  
GOVT. OF INDIA, NEW DELHI**

**Tender for  
Internal and External Signage to be supplied and fixed in PGIMER  
at Dr. RML Hospital, New Delhi**

**VOLUME-II  
TECHNICAL SPECIFICATIONS**

**June 2008**



**HSCC (INDIA) LTD.  
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**PQ No. HSCC/335 /BU-HP-II/2007**

# **Signages and associated works at PGIMER, Dr RML Hospital, New Delhi**

## **Technical specifications for signage**

### **General**

1. The sign board shall be in both English and Hindi language
2. Suitable pictogram to be provided as per approved samples
3. The colour of signages to be as per discretion of Engineer.
4. All signages details including sizes of sheet, letters, pictogram and border allround to be submitted and got approved priorly from HSCC.
5. The quoted rate shall be for all heights and floor levels.
6. The scope of work include providing and fixing base frame with removable/ interchangeable signages. Which will be paid in respective items

### **PVC sheet / sunboard**

1. Sheet to be best available brand of minimum thickness 3mm.
2. Top vinyl film to be best available brands of LG, Samsung or equivalent.
3. The thickness of film without adhesive to be around 75 microns and with adhesive to be 100 microns.
4. The fixing to be done with screws / hanging chains/pipes/rods of approved make & material as per discretion of Engineer.
5. The rates to be quoted per square inch inclusive of pictogram & fixing up to any floor and height, wall fixing or hanging on ceiling.

### **MS**

1. The make of material to be as approved by engineer.
2. The thickness of GI sheet to be at least 18 G.
3. The shop drawings of supporting structural frame and its foundation for signages to be submitted for approval by HSCC.
4. The welding joints to be rubbed and grinded to give a smooth finish. No undulations shall be visible.

5. The MS frame and sheets to be primered and painted with approved make material.
6. The rates shall be inclusive of above and fixing with cement concrete 1: 1.5 : 3 as per approved design.
7. The rate for structural frame to be quoted separately per kilograms and signage sheet in square meters.

### **MDF**

1. The board to be of best make / approved make as per discretion of Engineer.
2. The thickness of board to be 12mm.
3. Hanging arrangement to be of 12mm or more aluminum rods. The length of rods to be as per available heights at site.
4. Rates to be quoted per square meter.
5. All-around lipping of aluminium section of desired colour of band in approved shape to be done.

### **Stainless steel**

1. The thickness of sheet to be minimum 16 G for plate sign board and 18/20 G for SS letters.
2. The same to be fixed with SS screws.
3. The engraving of letters to be as per standard norms and colours.
4. The individual alphabets/ letters, wherever required to have an inbuilt arrangement for fixing to support base with stainless steel screws complete for all heights and levels. All corners to be smoothly finished & SS welding.
5. The sheet/letters may be shining or mat finish as approved by engineer.

### **Aluminum**

1. The thickness of sheet to be minimum 3mm.
2. Fixing to be done with SS or appropriate screws to avoid bimetallic action with aluminum.
3. The rates to be quoted per square meter.

4. The hanging aluminum hollow section to be of 100mm and 150mm width & make to be got approved. The powder coating of approved colour to be done and letters of approved specs and design to be pasted on such hanging aluminium hollow sections.
5. The hanging will be done by adjustable MS/GI rods of approved diameter and painting thereafter

**Neon Glow signages**

1. The diameter of tube to be got approved.
2. Make to be got approved.
3. Matter to be got approved.
4. To be made from 100% handcraft glass.
5. Rate to include electric wiring to illuminate complete in all respect as directed.

**SAMPLES OF ALL MATERIALS, LETTERS MATTERS AND DESIGNS TO BE GOT APPROVED by HSCC/CLIENT BEFORE EXECUTION OF WORK.**

**Signages and associated works at PGIMER, Dr RML Hospital, New Delhi.**

**Bill of Quantities**

| Item no | Description   | Unit     | Quantity | Rate (in Rs.) | Rate (in Rs.) | Amount  |
|---------|---|----------|----------|---------------|---------------|---------|
|         |   |          |          | In figures    | In words      | (in Rs) |
| 1       | Providing fabricating and fixing of sinages of varying sizes and shapes using 5 mm thick PVC/acrylic sheet of Mitsubishi or equivalent quality of at base with self adhesive multi coloured vinyl LG/ Oracle make with min 2 year non fading guarantee with graphics on top of tape complete including fixing on wall with screws and washers or hanging on ceiling with GI chain/GI Bar complete as per technical specifications and directions of Engineer.                             | sq. inch | 40000    |               |               |         |
| 2       | Providing and fixing of sinages of varying sizes and shapes using 12mm prelaminate MDF board (duratuff or equivalent) of approved shape & make with all round lipping of anodized/powder coated aluminium/GI/MS with painting rods of minimum 10/12mm dia or lopping with all round ss pipe of suitable dia and SS lipping welded with SS rod to hang it from the ceiling complete including lettering and pictograms on vinyl as per technical specification and directions of Engineer. | sq. ft   | 240      |               |               |         |
| 3       | Providing and fixing of signages of varying sizes and shapes using stainless steel sheet of minimum 18G thickness brush finish including engraving/etching of letters of required size filled with colour as desired by engineer, fixing with ss screws on walls.   | sq.inch  | 2500     |               |               |         |
| 5       | Providing and fixing Ms support frame for external sinages made of structural steel including welding, priming, painting foundation with 1:1:5:3 cement concrete complete as per drawing , technical specifications and directions of engineer.   | kgs      | 500      |               |               |         |

**Signages and associated works at PGIMER, Dr RML Hospital, New Delhi.**

**Bill of Quantities**

| Item no | Description   | Unit   | Quantity | Rate (in Rs.) | Rate (in Rs.) | Amount  |
|---------|---|--------|----------|---------------|---------------|---------|
|         |   |        |          | In figures    | In words      | (in Rs) |
| 6       | Providing, fabricating and fixing neon glow signage's of approved make with 100% handcraft glass tubes in letter shape of required colour of dia 9-12 mm including making the electrical wiring for illumination, transformer, connection complete with arrangement of automatic on and off during night and day as per technical specifications and directions of Engineer.  | sq. ft | 200      |               |               |         |
| 7       | Providing, fabricating and fixing digitally printed translites (kodak/Technova) with multicolour design on Roland / HP printers mounted on acrylic sheet 3mm further mounted on 22 gauge powder coated GI box with Philips / surya tubes inside including installation on wall electric fitting etc. on walls or otherwise complete as per technical specifications and directions of engineer.   | sq. ft | 120      |               |               |         |
| 8       | Providing, fabricating installation and fixing of backlit flex signage's on 3M brand or equivalent 18 ounce flex signage's printed on high resolution printer vutek/ scitek mounted on MS frame made of 25mm sq.pipe section and min 8' depth structure further fixed on 24 gauge precoated MS/ GI box with philips/surya fittings in ratio of 1:4 inside including copper ballast etc.electric wiring etc complete. also fitted with timer of switching on and off the signage's automatically at night and day. timer may be used for individual units or for multiple units complete as per technical specifications and directions of Engineer. | sq. ft | 300      |               |               |         |

**Signages and associated works at PGIMER, Dr RML Hospital, New Delhi.**

**Bill of Quantities**

| Item no | Description  | Unit     | Quantity | Rate (in Rs.) |          | Amount  |
|---------|--|----------|----------|---------------|----------|---------|
|         |  |          |          | In figures    | In words | (in Rs) |
| 9       | Providing, fabricating installation and fixing of glass finish<br>SS letters made of 20 gauge SS sheet of required size and shape with neatly fabricated joints properly welded and grinded with all corners rubbed and polished with arrangement of screws in the letters itself for mounting on the walls also with backlit on the letters provided with the help of high quality LEDs for visibility at night, letters to be protruding out so that light is visible from behind and with the provision of automatically switching on and off during night and day including cost of screws and fixing complete as per directions of engineer. costing to given per sq.inch and thickness of the letter 2" for letter more than 15" in height and 1.5" for lesser heights, maximum width and maximum heights of each letter will be considered to calculate total area. | sq. inch | 6000     |               |          |         |

**Signages and associated works at PGIMER, Dr RML Hospital, New Delhi.**

**Bill of Quantities**

| Item no | Description   | Unit     | Quantity | Rate (in Rs.) | Rate (in Rs.) | Amount  |
|---------|---|----------|----------|---------------|---------------|---------|
|         |   |          |          | In figures    | In words      | (in Rs) |
| 10      | Providing fabricating and fixing of retro reflective vinyl (of 3M make of HIP quality) (both the base sheet and lettering to be of 3M-HIP, retroreflective quality) signage's of varying sizes and shapes pasted on ACP(aluminum composite sheet) 4mm of alocobond or equivalent make with provision of fixing on MS structure complete as per technical specifications and directions of Engineer. | sq. inch | 20000    |               |               |         |
| 11      | Providing fabricating, installation and fixing of poster frame with digitally printed transparent film kodak/technova sandwiched between two sheets of 5 mm thickness clear acrylic sheet fixed on the wall with the help of suitable steel studs complete as per technical specifications and directions of Engineer.  | sq.ft    | 180      |               |               |         |

**Signages and associated works at PGIMER, Dr RML Hospital, New Delhi.**

**Bill of Quantities**

| Item no | Description   | Unit    | Quantity | Rate (in Rs.) | Rate (in Rs.) | Amount  |
|---------|---|---------|----------|---------------|---------------|---------|
|         |   |         |          | In figures    | In words      | (in Rs) |
| 12      | Providing fabricating installation and fixing of night vision signage's visible in complete darkness (with min 2 hrs glowing time) computer cut vinyl pasted on 3mm acrylic sheet and further fixed on wall/hanging from ceiling with the help of MS/GI rods complete as per technical specifications and directions of Engineer.   | sq.inch | 25000    |               |               |         |
| 13      | Providing, Fabricating and fixing of ACP, ALUMINIUM Composite Plastic Signs with 3mm ACP Sheet, Using 1" MS PIPE Frame, with anti Rust Coating, Back with G.I. and 5 Sides with ACP Sheet (aluobond or equivalent make), Lettering to be done with 5mm Acrylic Sheet and Vinyl's if Needed Backlit with Philips Slim Lite Tube light Fittings, Acrylic Letters to Protrude out and be lit, Together with A Timer for Switching on and off Automatically at Night and day including transportation and fixing at   | sq.ft.  | 600      |               |               |         |
| 14      | Providing, fabricating and fixing of front lit signage's with solvent printing on 13 oz hanwa/lg make flex printing on vutek/sytec/ edge print etc with uv cure inks with minimum life of 1 year for non fading, stretched on 25mm sq m.s. Pipe, with 28 gauge tin sheet on the back for with standing wind pressure with adequate lights in the front. The front lighting to be metalite (white light) of 150 watts and philips make to be fixed with metal arms at least 4ft protruding outside. Light to be 1 each for every 12 sq.ft of area and provision of automatic on and off at night and day and with provision of fixing on m.s.s structure complete as per the direction of the engineer | sq.ft.  | 500      |               |               |         |

**Signages and associated works at PGIMER, Dr RML Hospital, New Delhi.**

**Bill of Quantities**

| Item no            | Description  | Unit    | Quantity | Rate (in Rs.) |          | Amount  |
|--------------------|--|---------|----------|---------------|----------|---------|
|                    |  |         |          | In figures    | In words | (in Rs) |
| 15                 | Providing, fabricating and fixing digital posters inside the hospitals on 5mm sun board sheet with 1440 dpi digital printing on technova / lg coated vinyl duly laminated and pasted on the sheet and fixed on the walls with help of steel studs or mirror screws as per the direction of the engineer.   | sq.ft.  | 100      |               |          |         |
| 16                 | Providing fabricating and fixing of name plate pockets outside rooms made of 5mm opaque, milky white acrylic sheet in various sizes and with provision of fixing acrylic plates as per boq-1 on the same, the pockets should be well crafted using high quality adhesives and should be fixed on the wall with the help of screws etc. And as per the direction of the engineer. | sq.inch | 2800     |               |          |         |
| <b>Grand Total</b> |  |         |          |               |          |         |