

# e-Notice Inviting Tender for

**Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**

( E office File No. : **CIVIL-11/10/2023-CIVIL SEC** refers)  
( File No. : **AIIMS/BBSR/ENGG./CIV-2023/HOSP/749** refers)



अखिल भारतीय आयुर्विज्ञान संस्थान ,  
**All India Institute of Medical Sciences**  
**Engineering Branch, Bhubaneswar(Odisha)-751019**  
[www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in)

e-NIT No. : **AIIMS/BBSR/Engg./ 029/ 2024-25**

e-NIT Issue Date : 23/11/2024

Last Date of Submission : 14/12/2024 (By 1230 Hours)  
(online)

Last date of submission : 16/12/2024 (By 1500 Hours)  
(Hard copy)

“Certified that, this tender document contains **49 (Forty Nine)** pages only”.

**Executive Engineer (Civil)**  
**AIIMS, Bhubaneswar**

Name of Work : **Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**

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**ALL INDIA INSTITUTE OF MEDICAL SCIENCE, BHUBANESWAR**  
**NOTICE INVITING e-TENDER**

|     |                                              |                                                                                                                                                                                                    |
|-----|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (a) | Name of Work                                 | <b>Design, Supply, Installation &amp; Commissioning of 30.50mtr (100 feet) High National Flag Mast &amp; other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.</b> |
| (b) | Tender (e-NIT) No.                           | <b><u>AIIMS/BBSR/Engg./ 029 /2024-25</u></b>                                                                                                                                                       |
| (c) | Contract Period                              | <b>03(Three) Months</b>                                                                                                                                                                            |
| (d) | Estimated Cost including all taxes           | <b>Rs 30,93,972/- (Rupees Thirty lakh Ninety three thousand Nine hundred Seventy two only)</b>                                                                                                     |
| (e) | Earnest Money Deposit (EMD)                  | <b>2% of Estimated cost</b>                                                                                                                                                                        |
| (f) | Performance Security                         | <b>5% of Tendered Cost.</b>                                                                                                                                                                        |
| (g) | Security Deposit                             | <b>2.5% of the Billed amount.</b>                                                                                                                                                                  |
| (h) | Tender documents will be Issued From         | <b>Download from Institute Website.</b><br>(i.e. <a href="http://www.aiimsbhubaneswar.nic.in">www.aiimsbhubaneswar.nic.in</a> , <a href="http://www.eprocure.gov.in">www.eprocure.gov.in</a> ).    |
| (i) | For queries related to the tender            | Email to <b><u><a href="mailto:eeeci@aiimsbhubaneswar.edu.in">eeeci@aiimsbhubaneswar.edu.in</a></u></b>                                                                                            |
| (j) | Last Date and Time of Submission (online)    | <b>By 14/12/2024 at 1230 Hours.</b>                                                                                                                                                                |
| (k) | Last Date and Time of Submission (Hard copy) | <b>By 16/12/2024 at 1500 Hours.</b>                                                                                                                                                                |
| (l) | Date, Time for opening of Bid                | <b>On 16/12/2024 at 1600 Hours.</b>                                                                                                                                                                |

1. The indenting Bidder must read the Terms & conditions of AIIMS, Bhubaneswar carefully. He/They should only submit his/her/their bid if he/she/they consider himself/themselves eligible and he/she/they is/are in possession of all the documents required.

2. Information and Instructions for bidders posted on website shall form part of bid document.

3. The Bid documents consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in) Or <https://eprocure.gov.in/eprocure/app>.

***Executive Engineer (Civil)***  
***AIIMS, Bhubaneswar***

## **INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING**

The Executive Engineer (Civil), AIIMS, Bhubaneswar invites on behalf of Executive Director, AIIMS, Bhubaneswar, Percentage Rate Tender from firms/contractor of repute in Two (02) Bid system (Technical & Financial respectively) from approved/registered and eligible contractors of CPWD, State PWD like and other eligible firms having successfully completed works of similar nature as per eligibility condition and for the Work as per the details as follows: -

| Ser. No. | Description                                                                                                                                                                                             | Details                                                                                                                                                                                                                                                                                                                                          |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (a)      | e-NIT No.                                                                                                                                                                                               | <b><u>AIIMS/BBSR/Engg./ 029/2024-25</u></b>                                                                                                                                                                                                                                                                                                      |
| (b)      | Name of Work                                                                                                                                                                                            | <b>Design, Supply, Installation &amp; Commissioning of 30.50mtr (100 feet) High National Flag Mast &amp; other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.</b>                                                                                                                                               |
| (c)      | Estimated Cost including all taxes                                                                                                                                                                      | <b>Rs 30,93,972/- (Rupees Thirty lakh Ninety three thousand Nine hundred Seventy two only)</b>                                                                                                                                                                                                                                                   |
| (d)      | Earnest Money                                                                                                                                                                                           | <b>2% of Estimated cost</b>                                                                                                                                                                                                                                                                                                                      |
| (e)      | Period of Completion                                                                                                                                                                                    | <b>03(Three) Months</b>                                                                                                                                                                                                                                                                                                                          |
| (f)      | Last Date and Time of Submission (online)                                                                                                                                                               | <b>By 14/12/2024 at 1230 Hours.</b>                                                                                                                                                                                                                                                                                                              |
| (g)      | Last Date and Time of Submission (Hard copy)                                                                                                                                                            | <b>By 16/12/2024 at 1500 Hours.</b>                                                                                                                                                                                                                                                                                                              |
| (h)      | Date, Time for opening of Bid                                                                                                                                                                           | <b>On 16/12/2024 at 1600 Hours.</b>                                                                                                                                                                                                                                                                                                              |
| (i)      | Time and date of opening of Online Financial Bids                                                                                                                                                       | <b>To be intimated later through website</b>                                                                                                                                                                                                                                                                                                     |
| (j)      | <b>Period during which hard copies of Tender document duly signed by the bidder in all pages, Registration Certificates, Undertaking and other Documents to be submitted to the Office of EE (Civ.)</b> | <b>All the Bidders shall have to submit hard copies of Tender document duly signed by the bidder in all the pages and Self Certified copies of other Eligibility Documents in the Office of Executive Engineer (Civil) within Last date of hard copy submission else the bid will be rejected. Postal delay will not be attributed to AIIMS.</b> |

1. The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates / documents required.

2. Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.

3. The bid document consisting of e-NIT, plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from <https://eprocure.gov.in/eprocure/app> or [www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in) free of cost.

4. **For e-Tendering of this Tender, kindly visit E-Tendering Portal website: <https://eprocure.gov.in/eprocure/app> .**

**For E-tendering Queries contact CPPP Help Desk.**

5. The intending bidders must have valid class-III digital signature to submit the bid.

6. The bid can be submitted through CPP portal and uploading the mandatory scanned documents as specified within the period of bid submission.

7. Copies of eligibility documents as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format and any other format as permissible by the e-tendering portal.

8. Contractor must ensure to quote the percentage rate in Performa of quoting rates. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (Zero).

However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender or each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

9. GST on all materials as well as GST on Work Contract etc., or any other taxes applicable in respect of this contract shall be payable by the Contractor. Percentage rate quoted by him shall be inclusive of such taxes, levies etc

and Government will not entertain any claim for reimbursement whatsoever in respect of the same. The percentage rates of the contract shall be inclusive of all taxes and levies and nothing extra shall be paid. Further the percentage rate quoted by the contractor shall be inclusive of labor welfare cess, water charges (if applicable), electricity charges (if applicable) and the same shall be recovered from the contractors' bills and will be remitted by the department.

10. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

11. Financial bids shall be opened online only for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.

12. If the contractor is found ineligible after opening of bids, his bid shall become invalid.

13. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid and.

14. **FRAUD AND CORRUPTION:**

14.1 The Engineer-in-Charge will reject a proposal for award if he determines that the bidder recommended for award has been engaged in corrupt or fraudulent practices in competing for the contract in question. He will report to the Officer Inviting Bid / next higher authority.

14.2 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited & the tenders submitted by the contractors who resort to canvassing will be liable for rejection.

14.3 The Contractor shall be debarred for any period of time as decided by the AIIMS, Bhubaneswar Authority for the following reason-

- (i) If the contractors submit false experience/completion certificates, **as mentioned in Ser. No. - 4(a), Page No. - 6 (refer under Eligibility Criteria)**. The department reserves the right to verify the particulars furnished by the applicant independently.
- (ii) If the contractor fails to commence the work on or before the scheduled date stated in the work order.
- (iii) Violates any important condition of contract.

15. **List of Eligibility Documents to be uploaded and signed Hard Copy to be submitted in the office of the Executive Engineer (Civil) within the period of bid submission else the bid will be rejected: -**

- (a) Original Copy of EMD in the form Demand Draft (DD) in favor of **AIIMS Bhubaneswar** payable at **Bhubaneswar**.
- (b) Certificates of Work Experience & Completion Certificate during last **07 (Seven) Years** of Similar work from Client not below the Rank of Executive Engineer, as mentioned in Ser. No. - 4(a), Page No. - 6 (refer under Eligibility Criteria).
- (c) Certificate of Registration for GST.
- (d) Copies of Contractor's License (Civil License)/NSIC/MSME/any registration from state/central Govt./Govt. Organisation for civil work.
- (e) Copies of ESI Registration.
- (f) Copies of EPF Registration.
- (g) Declarations to be given by the Tenderers (Annexure 'A') (as per Page 36).
- (h) Detailed Information of Bidder (Annexure 'B') and details of work completed during last 07 (seven) years (Annexure 'C') signed by the Bidder. (Page-37 and 38).
  - (i) Notarized Affidavit at Annexure D and E (Page- 39 and 40) to be given by Tenderers.
  - (j) Signed (in all pages) e-NIT document.

Failing to upload documents in online (from a to j) will be straight away rejected. Hard Copies of all tender documents (from a to j) with signature/seal of agency/contractor should reach EE (Civil), AIIMS, Bhubaneswar office before last date of hard copy submission failing which bid will be rejected. Any postal delay will not be attributed to AIIMS, BBSR.

16. The Technical Bid(s) shall be opened first by the Committee **on 16/12/2024 at 1600 Hours. The Financial Bid(s), whose Technical Bid(s) found to be eligible, will be opened later for which intimation will be given through Website. After the evaluation of the Bid(s) AIIMS, Bhubaneswar will award the contract to the Lowest Evaluated Responsive Tenderer. Conditional Bid(s) will be treated as unresponsive and will be rejected**

17. Information & Instruction for Contractor will form Part of e-NIT.

**Executive Engineer (Civil),  
AIIMS, Bhubaneswar**

## GENERAL RULES & DIRECTIONS

Executive Engineer (Civil), AIIMS, Bhubaneswar invites on behalf of Executive Director, AIIMS, Bhubaneswar Percentage Rate Tender from Firms/Contractor of reputed/experienced Registered Contractors/Firms and other eligible firms having successfully completed works of similar nature as per eligibility conditions.

**1. Name of Work: Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**

2. The work is estimated **Rs 30,93,972/- (Rupees Thirty lakh Ninety three thousand Nine hundred Seventy two only)**. The estimate, however, is given merely as a rough guide.

3. Intending Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. Bidders are instructed to visit the site before participating the tender. The Bidders are instructed to visit the site to know the nature of work before participating in the tender.

4. **Eligibility Criteria.** Contractor who fulfill following requirement shall be eligible to apply: -

**(a) Similar work means” SITC of at least 01 number 100 feet or more height Flag Mast in last 07 (Seven) Years ending 31st October 2024”.**

(b) The Bidder should have registration with **Employee Provident Fund (EPF) Commissioner** and **Employee State Insurance (ESI) Corporation.**

(c) The experience of similar work should be from Central Govt., State Govt., PSU and Autonomous Body.

(d) Agreements shall be drawn with the successful bidders for item/items on prescribed format. Bidders shall quote their percentage rates as per various terms and conditions of the said form which will form part of the agreement.

(e) The site for the work is available.

(f) The bid document consisting of plans, specifications, the schedule of quantities of the various type of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents.

(g) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.

5. **Preparation & Submission of Tender through Online.** The tender should be submitted in 02(Two) Bids i.e Technical Bid and Financial Bid respectively. The Technical Bid & Financial Bid should be uploaded by the Bidder through Online. However, the Hard copy of Technical Bid to be submitted in the office of Executive Engineer(Civil) before the last date of submission of Tender.

6. **Earnest Money Deposit.** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **2% of Estimated** cost by way of Demand Draft/Bank Guarantee only in favour of **AIIMS Bhubaneswar** payable at **Bhubaneswar**. Original Copy of the Demand Draft/Bank Guarantee must be uploaded/attached with the technical Bid. The EMD of the Successful Bidder shall be returned after the successful submission of Performance Security and for unsuccessful bidder's it would be returned after award of the contract. Bid's received without Demand Draft of EMD will be rejected.

(i) As per SOP No.5/1 & Clause No.6 of CPWD Manual-2022 the MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of Goods & **Services** only.

(ii) Micro and small Enterprises if registered with any government bodies specified by Ministry of Micro, Small & Medium Enterprises (M/o MSME) with valid certificate duly issued by GOI are exempted for submitting earnest money deposit (EMD).

(iii) Other Firms, registered with MSME/NSIC with valid certificate duly issued by GOI are also exempted for submitting EMD. No other type of certificate is acceptable.

(iv) The exemption and relaxation in EMD is subject to the validity & acceptance of their registration certificate on the date of opening of tender.

7. **Performance Guarantee.** The successful contractor will be required to furnish a **Performance guarantee of 05% (five Percent) of Contract Value** after receiving notification of award ***in the form of Fixed Deposit Receipt or Demand Draft or Bank Guarantee from any Nationalized Bank duly pledged in the name of the "All India Institute of Medical Sciences, Bhubaneswar"*** which shall be kept valid for a period of 180 days beyond completion of all the contractual obligations. The Performance Guarantee can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contract or for unsatisfactory performance or non-observance of any condition of the contract. ***PG will be released after full and final settlement of Bill, without any interest.*** In case the contractor fails to deposit the said Performance Guarantee within the period including the extension period if any, EMD will be forfeited automatically without any notice.

8. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost, all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions.

9. The Tender paper/documents can be seen/ downloaded from Official website & submitted through Online or Site. For any query, Executive Engineer (Civil), AIIMS, Bhubaneswar, may be contacted.

10. The competent authority on behalf of the Executive Director, AIIMS, Bhubaneswar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.

11. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

12. The Competent Authority, The Executive Director, AIIMS, Bhubaneswar reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted. Some of the items of the Schedule of Quantities may be executed partially or may not be executed at all depending upon the site requirement which will be decided by Engineer in charge.

13. The contractor shall not be permitted to bid for works in the AIIMS, Bhubaneswar responsible for award and execution of contracts, in which his near relative is posted as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the AIIMS, Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

14. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

15. The bid for the works shall remain open for acceptance for a period of 75 days from the date of opening of bids.

16. ***The Agency shall submit Post Card size Coloured Photographs showing different stages of construction activities at his own Cost.***

17. This notice inviting bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the

contract consisting of “The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

18. (a) **Security Deposit equal to 2.5% of the billed Value will be deducted from the Bills of the Contractor .**  
(b) **The Income Tax & GST as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.**  
(c) **The quoted Rates shall be inclusive of GST.**  
(d) **Labour CESS @ 01% will be deducted from the Bill.**  
(e) **Electrical charges as per actual meter reading shall be deducted from the bill. If connection is taken directly without installation of meter with prior permission from Executive Engineer (Electrical), then amount as per the usage shall be deducted from the gross bill amount as suggested by Executive Engineer (Electrical).**  
(f) **Water Charges @ 1% of the Gross Bill Amount will be deducted, if water Supply is taken from, AIIMS, BBSR**
19. **All the work shall be completed within 03(Three) Months from the date of issue of work Order by the Institute. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 01% per month of delay to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of the contractor (as per GCC – 2023) shall be levied subject to maximum of 10% of the accepted tendered valued of the work.**
20. List of Documents to be submitted along with the Technical Bid and hard copy to be submitted in the office of EE(Civil) as per P-5, SL no- 15(a) to (j).
21. The condition of the contract shall be governed by CPWD GCC-2023 and corrected upto latest correction slip.
22. **Goods & Service Tax (GST).**

(a) **General remarks on Taxes & Duties. In view of GST Implementation from 01<sup>st</sup> Jul 2017, all Taxes and Duties including Excise Duty, GST/VAT, Service Tax, Entry Tax and other indirect Taxes and Duties have been submerged in GST. Accordingly, reference of Excise Duty, Service Tax, VAT, Entry or any other form of Indirect Tax except of GST mentioned in the Bidding Documents shall be ignored.**

(b) **Bidders are required to submit copies of the GST Registration Certificate while Submitting the Bids wherever GST (CGST & SGST/UGST or IGST) is applicable.**

(c) **Quoted Price/Rate(s) should be inclusive of All Taxes and GST (i.e. IGST or CGST and SGST/UTGST applicable in case of Inter-State supply or Intra State Supply Respectively and CESS on GST if applicable) on the Final Service. Please note that the Responsibility of Payment of GST (CGST, SGST, IGST or UTGST) lies with the supplier of Goods/Services (Service Provider) only. Supplier of Goods/Service (Service Provider) providing Taxable Service shall submit an Invoice/Bill, as the case may be as per Rules/Regulations of GST. Further, Returns and details required to be filled under GST Laws & Rules should be timely filled by Supplier of Goods/Service (Service Provider) with requisite details.**

(d) **The supplier/Contractor/Firm is advised to comply all the GST Norms as per Rules. Accordingly, Supplier/Contractor/Firm is to submit the Original Challan/Voucher justifying that it has been actually and genuinely paid to the Govt. at the time of submission of Bills to Finance Wing for release of Payments.**

23. The Agency shall be solely responsible for compliance to the provisions of various Labour and industrial laws, such as, wages, allowances, compensations, EPF, Bonus, Gratuity, ESI etc. relating to personnel deployed by it at AIIMS, Bhubaneswar site or for any accident caused to them and the institute shall not be liable to bear any expense in this regard. The Agency shall make payment of wages to workers engaged by it by the stipulated date irrespective of any delay in settlement of its bill by AIIMS, Bhubaneswar for whatever reason. The Agency shall also be responsible for the insurance of its personnel. The Agency shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments / amendments / modifications: -

- (a) The Payment of Wages Act 1936.  
(b) The Employees Provident Fund & MP Act, 1952.  
(c) The Contract Labour (Regulation) Act, 1970.  
(d) The Payment of Bonus Act, 1965.  
(e) The Payment of Gratuity Act, 1972.  
(f) The Employees State Insurance Act, 1948.  
(g) The Employment of Children Act, 1938.  
(h) The Motor Vehicle Act, 1988.  
(j) Minimum Wages Act, 1948.

**24. Termination of Contract.**

AIIMS, Bhubaneswar would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of AIIMS, Bhubaneswar rules & regulations, or if there is any lapse in compliance of any labour legislation, or if there is any incident of indiscipline on the part of the Tenderer or his staff and the agreement may be terminated. The decision of AIIMS, Bhubaneswar's management in this regard would be

final and binding on the Tenderer. In such an event, AIIMS, Bhubaneswar shall have the right to engage any other tenderer to carry out the task.

**25. Arbitration.**

The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on the both parties.

**26. Dispute Settlement.**

It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then the same shall be referred to the sole Arbitrator appointed by the Executive Director, AIIMS, BHUBANESWAR whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.

27. The eligible bidders shall quote percentage rates after considering all the major as well as minor components. The Lowest Bidder will be decided as per the percentage quoted.

**28. Payment:**

(a) 100% payment will be released after due verification of final bill by Engineering-in-Charge or his representative after completion of work. The deduction of 2.5% towards security deposit and other deduction towards taxes as per Government of India/AIIMS rule will be made from the bill. RA bill will be released on request basis to the agency.

(b) It will be mandatory for the bidders to indicate their bank account number and other relevant payment details so that payment could be made through RTGS/ Other mechanism.

29. GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.

**30. Defect Liability Period:**

**The DLP for this work is 12 months.** During this period the agency is responsible for rectifying any defects or faults that may arise without any extra cost.

**31. Vendor shall submit the following documents after execution of given work:**

- (a). Work Completion Certificate (Final Bill)
- (b). Testing & Commissioning Certificate
- (c). Material Test Certificate
- (d). Warranty/Guarantee Certificate
- (e). Colour Photos for executed work on glossary paper
- (f). Non-Claim Certificate (NCC) regarding work
- (d). GST return up to date Voucher
- (e). Bank Account Details
- (f). 36(i) Certificate for engagement of Technical Staff

**Executive Engineer (Civil)**  
**AIIMS, Bhubaneswar**

## **SPECIAL CONDITIONS OF CONTRACT**

Name of Work : **Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**

1. **Discrepancy between Specifications.** In case of discrepancy in the specifications or any other matter, the matter shall be brought by the contractor to the notice of the Engineer-in-Charge for further decision.
2. **Contractor to employ Qualified Supervisor.** The contractor shall employ Skilled Engineer/Supervisor to supervise and execute the work.
3. **Inconvenience to the Public.** The Contractor shall not deposit or store any materials at any site without permission of the Engineer in charge. The materials will be stored at such places only with prior approval of the Engineer in charge as there is no obstruction in Traffic or other Agencies.
4. **The provision against Accident & Safety Measures.**
  - (a) The Contractor will take all necessary precautions against a Fire during the course of his work and will ensure the work against Fire at his own cost.
  - (b) He will also take all care against likely damage of Floor, Walls, Doors, Windows or any part of the Building. In case of any damage or loss, the contractor has to make good at his own cost.
5. **Specifications.** The work shall be carried out as per CPWD Specifications Volume I & II 2019 with up to date correction slips. The contractor should be well aware of these specifications before quoting the rates in Financial Bid for the subject tender. In the absence of specifications for any work or material, relevant Indian Standard (ISI) Specification shall be applicable.
6. **Cleaning the Site.** The site described and shown on the plans, shall be cleared off all the rubbish of all kinds etc. complete. After completion of the work and the site shall be handed over in neat and clean condition.
7. **Secrecy.** In a view to safeguard the Secrets & Confidential information relating to All India Institute of Medical Science, Bhubaneswar, the Tenderer binds himself and his successors to secrecy & contracts to bind to secrecy of his Officials, Managers, Technical Senior Staff & all other staff directly or indirectly concerned in or whom have to acquire information relation to the AIIMS, Bhubaneswar equipment and the Tenderer shall access to any such information.
8. **Security Rules.** The Contractor shall follow at Site Security rules regarding removal of materials from site, issue of materials from site, issue of materials from stores, issue of Identity Card etc., as may be framed from time to time by the Engineer. It is to note that the Security Section is empowered to carry out the checks.
9. **Care in case of occupied buildings.** Tenderer may also note that when the subject work is to be carried out in the premises of occupied residential and other buildings which are already under occupation, all care shall be taken to protect personal and/or Government materials fixtures, appliances, equipment's etc. In case of any damage to any of the existing arrangements, contractor is liable to do such work to its original and/or shall be liable to pay the cost of such damages/losses. The work shall be carried in close co-ordination with occupants of these buildings without any hindrance and interruption.
10. **Supply of Tools, Tackles & other materials.** For full completion of the work, Contractor shall at his own expense arrange and furnish all necessary work tools, tackles, scaffolding, tagaries, mugs, scrappers, wire brushes etc., that may be required to complete the work under contract.
11. **Inspection of Work.** Engineer or any person appointed by them shall have access and right to inspect the work, or any part thereof at all times and places during the progress of the work. The inspection and supervision is for the purpose of assuring owner and/or Engineer in charge and their representative will extend to contractor all desired assistance in interpreting the plans and specifications, all such assistance shall not relieve contractor from any responsibility for the work. Contractor without delay shall correct any work, which proves faulty.
12. **Wastage.** The contractor should note that wastage of any items shall not be paid extra. The items shall be paid based on the executed work at site. All coefficients shall be as per relevant IS code.
13. Contractor shall take all precautionary measures to avoid any damages to adjoining property. All necessary arrangement shall be made at his own cost.
14. The contractor shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed.
15. Normally, Contractors shall not be allowed to work at night. Work at night shall, however, be allowed if the site condition/circumstances so demand. However, if the work is carried out in more than one shift or at night, no claim on this account shall be entertained. In such situations, the Contractor shall make available to the department in proper means of transport such as vehicle at his own cost.
16. The contractor shall be responsible for the procurement of all the materials required to complete the work.

17. The contractor shall be deemed to have examined the Contract documents, to have generally obtained his information in all matters whatsoever that might affect the carrying out the works at the quoted rates and to have satisfied himself to the sufficiency of the tender. Any error in description or quantity or any other aspect in quoted rates or omission there from shall not vitiate the contract or release the contractor from executing the work comprised in the contract as per drawing and specification at the scheduled rates. He is deemed as an experienced contractor to know the scope, nature and magnitude of works and the requirements of material and labour and the type of work involved, etc. and as to what all work he has to complete in accordance with contract document whatever be the defects, omissions or errors that may be found in the contract document. The contractor shall be deemed to have visited the site and its surroundings to have satisfied himself as to the nature of all existing structures, if any and also to the nature and means of transport and communication to have access to and regress from the site.

18. All materials issued in the works shall be subjected to inspection and tests if required by Engineer in charge. Samples required for approval and testing must be supplied with sufficient time allowed for testing and approval. Materials shall be tested on site if required by Engineer in Charge and they may be rejected if found not suitable or not in accordance with the specification or Test certificate or any approval given earlier. The contractor shall carry out necessary test as per the direction of Engineer in charge in approved NABL/ Govt. laboratories. **The expenses towards all such tests are to be borne by the contractor at his own cost.** Tests shall be conducted as per relevant Indian Standard Specifications.

19. All manufacturer's certificates of tests showing that the material have been tested in accordance with the requirement of the appropriate Indian standard, other relevant specification are to be supplied free of charge.

20. All Electrical Connections/Wirings etc. (if required) for the work shall have to be taken from the nearest source with prior permission from Executive Engineer (Electrical). All expenses on this account shall be borne by the contractor. The electrical expenses shall be charged based on the meter reading. If connection is taken directly without installation of meter, then then amount as per the usage of electrical equipment shall be deducted from the gross bill amount as suggested by Executive Engineer (Electrical).

21. Water if available may be supplied to the contractor by the department subject to the following conditions: -

(i) **The water charges @ 1 % of the gross bill amount shall be recovered on gross amount of the work done if it is taken departmentally.**

(ii) The contractor(s) shall make his/their own arrangement of water connection and laying of pipelines from existing main of source of supply at his own cost.

(iii) The Department do not guarantee to maintain uninterrupted supply of water and it will be incumbent on the contractor(s) to make alternative arrangements for water at his/ their own cost in the event of any temporary break down in the Government water main so that the progress of his/their work is not held up for want of water. No claim of damage or refund of water charges will be entertained on account of such break down.

22. The contractor shall engage necessary staffs/ technical person as per Clause 36(i) of Schedule 'F' as per this tender document. The name, qualification and technical experience of the contractor representative shall be submitted to the Engineer in charge before start of the work. Violation of this clause will lead to non-compliance and recovery will be made as per Clause 36(i) of Schedule 'F'.

23. Required safety measures is to be adopted before starting chipping/scaffolding works so that any inconvenience may not be faced.

#### 24. **LIST OF APPROVED MAKE OF MATERIALS**

Specification/brands names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved by the Engineer-in-Charge are listed below. However, approved equivalent material and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market but only after approval of the alternate brand by the Engineer-in-Charge.

| <b>SL. NO.</b> | <b><u>MATERIAL</u></b>                                                               | <b><u>MANUFACTURER</u></b>                                                       |
|----------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>1.</b>      | <b>ANTI TERMITE TREATMENT</b>                                                        |                                                                                  |
| 1.1            | CHLORPYRIPHOS / LINDANE                                                              | SRCHLORO, DURS BAN, GIBRALTOR, TERRASHIELD                                       |
| <b>2.</b>      | <b>STRUCTURAL BUILDING MATERIALS</b>                                                 |                                                                                  |
| 2.1            | ORDINARY PORTLAND CEMENT /POZZOLONA PORTLAND CEMENT                                  | ACC, ULTRATECH, AMBUJA, JAYPEE                                                   |
| 2.2            | WHITE CEMENT                                                                         | BIRLA WHITE, JK WHITE, ACC                                                       |
| 2.3            | REINFORCEMENT BAR (THERMO MECHANICALLY TREATED) /STRUCTURAL (AS PER IS:1786, IS:226) | TATA, SAIL, RASTRIYA ISPAT NIGAM LTD., JINDAL STEEL & POWER LTD., JSW STEEL LTD. |
| 2.4            | STRUCTURAL STEEL SUCHAS MS FLATS, SQ. BARS ANGLES,ETC. INCLUDING TUBES               | SAIL,TATA STEEL,RINL, JINDAL STEEL & POWER LTD. AND JSW STEEL LTD.               |

|           |                                                  |                                                                                                                                                               |
|-----------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.5       | HOLLOW STEEL SECTIONS                            | JINDAL INDUSTRIES HISAR, TATA STEEL, SAIL                                                                                                                     |
| 2.6       | PARALLEL THREADED COUPLERS AS PER IS:16172: 2014 | DEXTRA, HALFEN, MOMENT, G-TECH                                                                                                                                |
| 2.7       | MONOLITHIC ALUMINUM FORM WORK                    | S-FORM, KUMKANG, MAINI SCAFFOLD SYSTEM, MFE FORM SYSTEM                                                                                                       |
| 2.8       | SS CRAMPS                                        | HILTI, FISCHER, BOSCH, EJOT                                                                                                                                   |
| 2.9       | REBARRING CHEMICAL                               | BOSCH, 3M INDIA, BIRLA, HILTI                                                                                                                                 |
| 2.10      | CURING COMPOUND                                  | FOSROC, SIKA, CICO, BASF, PIDILITE, STP                                                                                                                       |
| 2.11      | MICRO CONCRETE                                   | FOSROC, SIKA, DUBOND, BUILTECH                                                                                                                                |
| 2.12      | READYMIX CONCRETE                                | ULTRATECH, RMC, ACC.                                                                                                                                          |
| 2.12      | HIGH PERFORMANCE EPOXY BASED RESIN ANCHOR SYSTEM | BASF, MYK SCHOMBURG, FOSROC, CICO                                                                                                                             |
| 2.13      | DAMP PROOF MATERIAL                              | DR. FIXIT, FOSROC, CICO, MYK, CIKA, PIDILITE                                                                                                                  |
| 2.14      | PT STRANDS                                       | DP, TATA, USHA MARTIN.                                                                                                                                        |
| 2.15      | STRUCTURAL GLAZING                               | MODI, SAINT GOBAIN, ASAHI                                                                                                                                     |
| <b>3.</b> | <b>AAC BLOCK MASONRY</b>                         |                                                                                                                                                               |
| 3.1       | AAC BLOCK                                        | ULTRATECH, BILTECH, AEROCON, BIRLA                                                                                                                            |
| 3.2       | POLYMER MODIFIED ADHESIVE FOR AAC BLOCKS         | FERROUSCRETE, WEBER, ULTRATECH, JK, MODCRETE, MYK LATICRETE                                                                                                   |
| 3.3       | GROUT COMPOUND / EPOXY GROUT                     | FOSROC, CICO, DR.FIXIT, SIKA.                                                                                                                                 |
| <b>4.</b> | <b>FINISHING</b>                                 |                                                                                                                                                               |
| 4.1       | PREMIUM ACRYLIC EMULSION PAINTS                  | BERGER PAINT(SILK), ASIAN PAINT(ROYAL), ICI DULEX(VELVET TOUCH), NEROLAC (IMPRESSION)                                                                         |
| 4.2       | OIL BOUND WASHABLE DISTEMPER                     | ASIAN PAINTS DULUX, NEROLAC, BERGER                                                                                                                           |
| 4.3       | ACRYLIC DISTEMPER                                | ASIAN PAINTS, DULUX (SUPERCLEAN), BERGER                                                                                                                      |
| 4.4       | CEMENT PRIMER (EXTERIOR)                         | WEATHERCOAT EXTERIOR PRIMER WITH ALKALI GUARD (BERGER), PRIMERO (ASIAN), DULUX, AKZONOBEL, ICI.                                                               |
| 4.5       | CEMENT PRIMER (INTERIOR)                         | BP WHITE (BERGER), DECOPRIME WT (ASIAN), NEROLAC                                                                                                              |
| 4.6       | STEEL PRIMER                                     | ICI, NEROLAC, ASIAN PAINTS, DULUX, NEROLAC, ASIAN PAINTS, BERGER, JENSON & NICHOLSON                                                                          |
| 4.7       | WOOD PRIMER                                      | ICI, NEROLAC, ASIAN PAINTS (WHITE)                                                                                                                            |
| 4.8       | TEXTURED EXTERIOR PAINT                          | BAKELITE HYLAM LTD, ICI (WEATHER SHIELD WITH HONEY COMB ROLLER FINISH, KANSAI, AKZONOBEL, UTRATECH PAINTS, HERITAGE, LEXTURE, SPECTRUM, ULTRATECH, SKK SAMKEN |
| 4.9       | PERFORMANCE COATING FOR FIRE PROTECTION          | AKZO NOBEL COATINGS INDIA LTD., PROMAT, JOTUN, ASIAN PAINTS                                                                                                   |
| 4.10      | FIRE SEALANT                                     | SIKA, 3M INDIA, WACKER, HILTI                                                                                                                                 |
| 4.11      | WATER PROOFING CEMENT PAINT                      | ASIAN PAINTS, BERGER(DUROCCEM EXTRA), NEROLAC(NEROSEM WITH TITANIUM)                                                                                          |
| 4.12      | SYNTHETIC ENAMEL PAINT                           | BERGER, ASIAN PAINTS, ICI, J&N, NEROLAC                                                                                                                       |
| 4.13      | EPOXY PAINT                                      | KANSAI NEROLAC, FOSROC, ASIAN, AKZONOBEL (DULUX)                                                                                                              |
| 4.14      | FIRE INTUMESCENT PAINT                           | JOTUN, ASIAN, AKZONOBEL, BERGER                                                                                                                               |
| 4.15      | FRENCH SPIRIT / MELAMINE POLISH                  | ASIAN PAINTS, WUDFIN OF PIDILITE, BERGER, NIPPON, POLYCURE.                                                                                                   |
| 4.16      | WALL PUTTY                                       | BIRLA WALL CARE, JK WHITE, BISON WALL PUTTY BY BERGER, ASIAN WALL PUTTY                                                                                       |
| 4.17      | POLYMER MODIFIED READY MIX                       | GYPROC INDIA (WEBER SET), FERROUSCRETE                                                                                                                        |

|           |                                                                                                                                                                           |                                                                                                                          |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
|           | PLASTER                                                                                                                                                                   | (INSTA PLAST), ULTRATECH (RADIO MIX),                                                                                    |
| 4.19      | POLYMER MODIFIED SELF CURING PLASTER                                                                                                                                      | FERROUSCRETE, ULTRATECH, SAINT GOBAIN, MYK                                                                               |
| 4.20      | RED OXIDE ZINC CROMATE PRIMER & ZINC RICH PRIMER                                                                                                                          | DULUX, ASIAN, BERGER, NEROLAC,                                                                                           |
| 4.21      | ACRYLIC SMOOTH EXTERIOR PAINT                                                                                                                                             | ASIAN, DULUX, NEROLAC, BERGER,                                                                                           |
| <b>5.</b> | <b>FLOORING</b>                                                                                                                                                           |                                                                                                                          |
| 5.1       | VITRIFIED TILES                                                                                                                                                           | SOMANY, JOHNSON, KAJARIA                                                                                                 |
| 5.2       | FULL BODY VITRIFIED                                                                                                                                                       | KAJARIA, JOHNSON,SOMANY                                                                                                  |
| 5.3       | CERAMIC FLOOR TILES/WALL TILES                                                                                                                                            | SOMANY, JOHNSON, KAJARIA                                                                                                 |
| 5.4       | WHITE GLAZED TILES                                                                                                                                                        | SOMANY, JOHNSON, KAJARIA                                                                                                 |
| 5.5       | EPOXY FLOORING                                                                                                                                                            | FLOWCRETE, BASF, FOSROC                                                                                                  |
| 5.6       | HEAT RESISTANT TILES                                                                                                                                                      | SOMANY, KAJARIA, JOHNSON                                                                                                 |
| 5.7       | WOODEN LAMINATE FLOORING                                                                                                                                                  | ARM STRONG, PERGO, MIKASA                                                                                                |
| 5.8       | PVC VINYL FLOORING                                                                                                                                                        | TARKETT, POLYFLOR, GERFLOR ARMSTRONG, FORBO, ARMSTRONG, LG                                                               |
| 5.9       | ANTI STATIC VINYL FLOORING                                                                                                                                                | TARKETT, POLYFLOR, GERFLOR ARMSTRONG, FORBO, ARMSTRONG, LG                                                               |
| 5.10      | CARPET FLOORING                                                                                                                                                           | OCEANZ ACOUSTICS/ WELSPUN/ INTERFACE FLOOR/ FLOTEX / MOHAWK/ UNITEX ARCHEX, BVG INDUSTRIES, PUNEET INDIA PVT LTD, TUNTEX |
| 5.11      | HARDWOOD FLOORING                                                                                                                                                         | IFS, PUNEET INDIA, PIXEL                                                                                                 |
| 5.12      | TACTILE TILES                                                                                                                                                             | SOMANY, KAJARIA, JOHNSON                                                                                                 |
| 5.13      | TACTILE TILES (STEEL)                                                                                                                                                     | KICH, KONCEPT STEEL, JINDAL STEEL                                                                                        |
| 5.14      | PAVING TILE                                                                                                                                                               | SOMANY, KAJARIA, JOHNSON,ULTRA                                                                                           |
| 5.15      | FALSE FLOOR                                                                                                                                                               | UNIFLOOR, UNITILE, CAMFLOR                                                                                               |
| 5.16      | MOSAIC / CHEQUERED TILES                                                                                                                                                  | BISAZA, BIRLA WHITE, JK WHITE.                                                                                           |
| 5.17      | CEMENT CONCRETE TILES (DESIGNER TILES)                                                                                                                                    | GICO (ISI), ULTRA, EUROCON, HINDUSTAN TILES.                                                                             |
| 5.18      | WOOD POLYMER FLOOR (WPC)                                                                                                                                                  | EUROWOODS WONDER FLOOR ACTION TESA PERGO                                                                                 |
| 5.19      | NON METALLIC FLOOR HARDENER (DRY SHAKE TOPPING)                                                                                                                           | MC BAUCHEMIE (INDIA), FOSROC, HUNTSMAN, BASF                                                                             |
| 5.20      | GRASS PAVER                                                                                                                                                               | UNISTONE, ULTRA,                                                                                                         |
| <b>6.</b> | <b>FALSE CEILING</b>                                                                                                                                                      |                                                                                                                          |
| 6.1       | GYPSUM BOARD /GLASS REINFORCED GYPSUM BOARD FALSE CEILING                                                                                                                 | ST. GOBAIN, USG BORAL, ARMSTRONG, DIAMOND CEILING, AEROLITE.                                                             |
| 6.2       | SALON SLATS PLUS FALSE CEILING                                                                                                                                            | ANUTONE, ARMSTRONG OR EQUIVALENT                                                                                         |
| 6.3       | METAL FALSE CEILING, METAL PANEL WITH TECHNICAL PANEL FALSE CEILING, ACOUSTICAL CLOUDS FALSE CEILING, WOODWORK CEILING PANELS FALSE CEILING, MINERAL FIBRE CEILING SYSTEM | ARMSTRONG, DURLUM, LINDNER                                                                                               |
| 6.4       | FALSE CEILING- GYPSUM                                                                                                                                                     | USG BORAL, GYPROC , SAINT GOBAIN,USG- BORAL                                                                              |
| 6.5       | FALSE CEILING- ALUMINIUM METAL TILES & PLANKS                                                                                                                             | ARMSTRONG, DURLUM, LINDNER                                                                                               |
| 6.6       | FALSE CEILING- CALCIUM SILICATE                                                                                                                                           | USG BORAL,AEROLITE,ARMSTRONG,HILUX EVEREST, SAINT GOBAIN - GYPROC                                                        |
| 6.7       | FALSE CEILING-MINERAL FIBRE                                                                                                                                               | USG BORAL ,AEROLITE ,ARMSTRONG,SAINT GOBAIN, HILUX, GYPROC                                                               |
| 6.8       | ACCOUSTIC: GLASS FIBRE FALSE CEILING AND WOODEN/ FABRIC WALL                                                                                                              | ARMSTRONG/ ANUTONE/ HUNTER DOUGLAS / CREDENCE                                                                            |

|      |                                                                                                                                                                                                                                                                                           |                                                                                      |
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|      | LINING                                                                                                                                                                                                                                                                                    |                                                                                      |
| 6.9  | ACOUSTIC PANELS, ACOUSTICAL TILE<br>FALSE CEILING                                                                                                                                                                                                                                         | SAINT GOBAIN, ECOPHON, PARMEPHON ,HUNTER<br>DOUGLAS, USG BORAL                       |
| 6.10 | ACOUSTIC INSULATION                                                                                                                                                                                                                                                                       | TWIGA, SAINTGOBAIN, LLOYD, ANUTONE,                                                  |
| 6.11 | OPEN CELL CEILING                                                                                                                                                                                                                                                                         | DURLUM, HARSONS GREEN, HUNTER<br>DOUGLAS,LINDNER                                     |
| 6.12 | FALSE CEILING GRID SYSTEM                                                                                                                                                                                                                                                                 | GYPROC, BORAL, DEXUNE, SAINT GOBAIN                                                  |
| 6.13 | BAFFLE CEILING                                                                                                                                                                                                                                                                            | HARSONS GREEN, DURLUM, HUNTER DOUGLAS,<br>LINDNER                                    |
| 6.14 | TUBULAR FALSE CEILING SYSTEM<br>ALONG WITH SUPPORTING GRID AND<br>METALLIC TILES                                                                                                                                                                                                          | DURLUM, HUNTER DOUGLAS, HARSONS GREEN,<br>LINDNER, ARMSTRONG                         |
| 6.15 | ACOUSTIC CEILING WITH FRAME                                                                                                                                                                                                                                                               | AEROLITE, ARMSTRONG, ANUTONE.                                                        |
| 7.   | <b>WOOD WORK</b>                                                                                                                                                                                                                                                                          |                                                                                      |
| 7.1  | COMMERCIAL BOARD, PLY, TEAK PLY,<br>COMMERCIAL PLY,MDF                                                                                                                                                                                                                                    | GREENPLY, GREENLAM,CENTURYPLY,<br>MERINO,ARCHIDPLY                                   |
| 7.2  | VENEERED PARTICLE BOARD                                                                                                                                                                                                                                                                   | MERINO, GREEN (DECOWOOD), DURO, ARCHIDPLY                                            |
| 7.3  | LAMINATED PARTICLE BOARD                                                                                                                                                                                                                                                                  | MERINO, GREENLAM, CENTURY, ARCHIDLAM,<br>STYLAM, KITPLY                              |
| 7.4  | SHUTTERING PLY                                                                                                                                                                                                                                                                            | ARCHIDPLY, CENTURY, GREENPLY, MERINO,DURO                                            |
| 7.5  | HIGH PRESSURE LAMINATES                                                                                                                                                                                                                                                                   | MERINO, GREENLAM, CENTURY, ARCHIDLAM.                                                |
| 8.   | <b>DOORS</b>                                                                                                                                                                                                                                                                              |                                                                                      |
| 8.1  | FACTORY MADE FLUSH DOOR<br>SHUTTER, PANEL DOOR SHUTTER                                                                                                                                                                                                                                    | CENTURY, KIT PLY DURO, ARCHID PLY,<br>GREENLAM.                                      |
| 8.2  | AUTOMATIC SLIDING DOORS                                                                                                                                                                                                                                                                   | SCHUCO ,SAPA BUILDING SYSTEMS, EUROPEAN<br>FAÇADE PRODUCT (EPF), REYNER              |
| 8.3  | REVOLVING DOORS                                                                                                                                                                                                                                                                           | DORMA BOON EDAM,DORMA KABA                                                           |
| 8.4  | FACTORY HOT PRESSED LAMINATED<br>DOOR                                                                                                                                                                                                                                                     | MERINO, CENTURY, DURO, ARCHID                                                        |
| 8.5  | WOOD PLASTIC COMPOSITE (WPC)<br>DOORS                                                                                                                                                                                                                                                     | RAJSHRI, CENTURYALSTONE, ARCHIDPLY                                                   |
| 8.6  | ACOUSTIC DOOR                                                                                                                                                                                                                                                                             | ANUTONE, OCEANZ, ICA ACOUSTIC                                                        |
| 8.9  | FRP DOOR FRAME & SHUTTERS                                                                                                                                                                                                                                                                 | DUROPLAST, JAIN DOORS, RAJSHREE                                                      |
| 9.   | <b>ACCESSORIES FOR DOORS AND WINDOWS</b>                                                                                                                                                                                                                                                  |                                                                                      |
| 9.1  | ANODIZED ALUMINUM HARDWARE<br>FITTINGS                                                                                                                                                                                                                                                    | EVERITE, KINLONG, ALUALPHA BY LGF SYSMAC,<br>EDCO                                    |
| 9.2  | SS FITTINGS                                                                                                                                                                                                                                                                               | GODREJ, DORMA, KENZ, BARAHI, DORSET, HAFELE,<br>KICH, GEZE, REHASA, SKOAA, ASSAABLOY |
| 9.3  | FRICTION STAY HINGES, SS BUTT<br>HINGES WITH BALL BEARING,<br>SLIDING DOOR BOLTS, LEVER<br>HANDLE, MAGIC EYE, PULL<br>HANDLE OTHER S.S. HARDWARE<br>LIKE MORTICE LOCK WITH PAIR<br>OF HANDLES, RECESS HANDLE<br>FITTINGS, FLOOR SPRING, DOOR<br>CLOSER, TOWER BOLT, FLOOR<br>DOOR STOPPER | GEZE, KICH, DORMA, HAFELE, HETTICH, SKOAA                                            |
| 9.4  | FAÇADE GLASS OPENABLE FITTINGS                                                                                                                                                                                                                                                            | SAVIO/ HOPPE/ LGF-ALU ALPHA / GEZE/ ROTO/<br>SECURE STYLE                            |
| 9.5  | HARDWARE, PATCH FITTINGS AND<br>FRICTION HINGES                                                                                                                                                                                                                                           | HETTICH, DEFINE, REHASA, DORMA, KENZ,<br>ALUALPHA BY LGF SYSMAC, DORSET, EDCO        |
| 9.6  | EPDM GASKET                                                                                                                                                                                                                                                                               | HANU, OSAKA, ALPS                                                                    |
| 9.7  | POLYESTER POWDER COATING                                                                                                                                                                                                                                                                  | NEROLAC, BERGER, J & N                                                               |

|            |                                                               |                                                                                   |
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|            | SHADES                                                        |                                                                                   |
| 9.8        | SPIDER FITTINGS                                               | DORMA, HAFELE, DEFINE                                                             |
| 9.9        | WIDOWS ROLLER BLINDS                                          | VISTA, MAC, HUNTER DOUGLAS, DE-DÉCOR, AREOLUX PHIFFER                             |
| 9.10       | CURTAIN TRACK AND CURTAIN FABRIC                              | VISTA, TECHNOMED, WINDOWTECH                                                      |
| <b>10.</b> | <b>ALUMINUM WORK</b>                                          |                                                                                   |
| 10.1       | ALUMINUM SECTION                                              | HINDALCO, INDALCO, JINDAL                                                         |
| 10.2       | HYDRAU LIC DOOR CLOSER / FLOOR SPRING                         | GODREJ, DORMA, DORSET, HARDWYN                                                    |
| 10.3       | ACP ALUMINIUM COMPOSITE PANELS                                | ALUDECOR, ALCOBOND, ALSTRONG ALSTONE                                              |
| 10.4       | ALUMINIUM ALLOY SHEET                                         | KALZIP OR EQUIVALENT                                                              |
| 10.5       | ZINCALUME PROFILE SHEET                                       | TATA BLUE SCOPE, PENNAR, CRIL (COLOR ROOF INDIA LTD).                             |
| 10.6       | ANODISED ALUMINUM HARDWARE (HEAVY DUTY)                       | SCHUCO ,SAPA BUILDING SYSTEMS, EUROPEAN FAÇADE PRODUCT (EPF), RAYNERS, EDCO       |
| 10.7       | ALUMINUM STRUCTURAL MEMBERS – WINDOWS, GLAZING AND PARTITIONS | SCHUCO, SAPA BUILDING SYSTEMS, EUROPEAN ,FAÇADE PRODUCT (EPF), RAYNERS            |
| 10.8       | ALUMINIUM EXTRUDED FINS                                       | DURLUM, HUNTER DOUGLAS, LINDNER                                                   |
| 10.9       | POWDER COATING                                                | ZOTUN, AKZONOBLE, BERGER,                                                         |
| <b>11</b>  | <b>UPVC WINDOWS</b>                                           |                                                                                   |
| 11.1       | UPVC DOORS AND WINDOWS                                        | DUROPLAST, FENESTA, ALUPLAST, ENCRAFT, SAINT GOBAIN                               |
| 11.2       | HARDWARE FOR UPVC DOORS AND WINDOWS                           | COTSWOLD, DORSET, DNV GLOBAL, EDCO                                                |
| <b>12.</b> | <b>GLASS</b>                                                  |                                                                                   |
| 12.1       | HERMITICALLY SEALED PERFORMANCE GLASS TOUGHENED GLASS         | MODI GUARD, SAINT GOBAIN, TATA-ASHAI                                              |
| 12.2       | FLOAT GLASS, REFLECTIVE GLASS, MIRROR GLASS                   | MODI GUARD, SAINT GOBAIN, TATA-ASHAI,HNG                                          |
| 12.3       | FLOAT ANNEALED GLASS                                          | SAINT GOBAIN, GUARDIAN GLASS (SUNGUARD), HNG,MODI GUARD                           |
| 12.4       | REFLECTIVE SOFT COATED / LOW E GLASS                          | SAINT GOBAIN, EMIRATE GLASS, GUARDIAN GLASS (SUNGUARD)                            |
| 12.5       | GLASS DOOR HARDWARE                                           | DORMA, HAFELE, OZONE, DORSET                                                      |
| <b>13.</b> | <b>FIRE DOORS</b>                                             |                                                                                   |
| 13.1       | FIRE PROOF STEEL DOORS AND GENERAL PURPOSE STEEL DOORS        | METAFLEX, SHAKTI HORMANN, PROMAT, ROMAT , TUFWOOD, TATA PRAVESH, SAINT GOBAIN     |
| 13.2       | FIRE CHECK DOOR (120 MIN.RATINGS)                             | SHAKTI HORMANN, PROMAT,SAINT GOBAIN                                               |
| 13.3       | HARDWARE FOR FIRE CHECK DOOR                                  | KICH, ASSAABLOY, BECKER FS, DORMA, NAVAIR, SAINT GOBAIN                           |
| 13.4       | SILICONE SEALANT / SEALANT                                    | G.E, DOW CORNING, WACKER, SIKA, BECKER, WURTH, STP, PIDILITE                      |
| 13.5       | FIRE RATED VISION PANELS                                      | SAINT GOBAIN, PILKINGTON, SCHOTT, FERILITE, SAINT GOBAIN                          |
| 13.6       | CALCIUM SILICATE BOARD                                        | STARPAN, HILUX, AEROLITE, PROMAT                                                  |
| 13.7       | HINGES FOR FIRE RATED DOORS                                   | DORMA, I.R (INGERSOL RAND), ASSA ABLOY, YALE, HAFELE, GEZE, HORMANN, SAINT GOBAIN |
| 13.8       | INTUMESCENT STRIPS                                            | PROMAT, PEMKO, INTUMEX, ASTROFLAME                                                |
| 13.9       | FIRE RATED GLASS                                              | SAINTGOBAIN, MODI SCHOTT, PILKINTON, SAINT GOBAIN,SEZAL                           |

|            |                                                                                                                                    |                                                                             |
|------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>14.</b> | <b>FAÇADE</b>                                                                                                                      |                                                                             |
| 14.1       | FAÇADE SYSTEMS                                                                                                                     | SCHUCO, SAPA BUILDING SYSTEMS, EUROPEAN FAÇADE PRODUCT (EPF), REYNERS       |
| 14.2       | SS CLAMPS (STONE CLADDING)                                                                                                         | HILTI, DORMA, FISCHER                                                       |
| 14.3       | GFRC/GRC                                                                                                                           | UNISTONE, KFPL                                                              |
| 14.4       | FAÇADE ACCESS                                                                                                                      | SECALT, COX GOMYL, MANNTECH                                                 |
| 14.5       | SS FRICTION HINGES, MULTIPOINT LOCKING SETS, HANDLE, ROLLERS FOR SLIDING, WOOL PILE WITH SILENT FILM, WINDOWS HINGES, DOORS HINGES | HITECH, HAFELE, GODREJ                                                      |
| 14.6       | STONE SEALER / ADHESIVE / ENHANCER                                                                                                 | LATICRETE / MYK LATICRETE, FOSROC ,CHOKSEY CHEMICALS, ASIAN PAINTS, FEVICOL |
| <b>15.</b> | <b>PLUMBING, SANITARY &amp; SEWARAGE</b>                                                                                           |                                                                             |
| 15.1       | G.I. FITTINGS                                                                                                                      | TATA, UNIK, AVR, ZOLOTO                                                     |
| 15.2       | UPVC/ CPVC/ PVC PIPE, FITTINGS AND FIXTURE                                                                                         | FINOLEX, ASTRAL, SUPREME                                                    |
| 15.3       | HDPE PIPES                                                                                                                         | RELIANCE, ORIPLAST , DUTRON, SUPREME                                        |
| 15.4       | CI FITTINGS                                                                                                                        | RBA FERRO, WALTZER, KAJECO, NECO, SKF                                       |
| 15.5       | CI DOUBLE FLANGED SLUICE VALVE                                                                                                     | KIRLOSKAR, SONDHI, KEJRIWAL                                                 |
| 15.6       | FLOAT VALVE                                                                                                                        | LK, LEADER, ZOLOTO, KRANTI, HANT                                            |
| 15.7       | CENTRIFUGALLY CAST (SPUN/HUBLESS) IRON PIPES & FITTINGS OR HUBLESS                                                                 | NECO, ELECTROSTEEL, SKF                                                     |
| 15.8       | CENTRIFUGALLY CAST (SPUN/HUBLESS) IRON (CLASS LA) PIPES                                                                            | NECO, ELECTROSTEEL, BIC RPMF                                                |
| 15.9       | C.I. MANHOLE COVERS, FRAMES AND GI GRATINGS                                                                                        | NECO, SKF, BIC (BENGAL IRON CORP.), HEPCO,                                  |
| 15.10      | SFRC MANHOLE COVERS AND GRATINGS                                                                                                   | KK, JAIN, PARGATI                                                           |
| 15.11      | GUN METAL VALVES ,GLOBES                                                                                                           | LEADER, ZOLOTO, LK, KRANTI, SANT                                            |
| 15.12      | CP BRASS FITTINGS, SANITARY FITTINGS AND ACCESSORIES                                                                               | JAQUAR, KOHLER, GROHE, ROCA                                                 |
| 15.13      | WATER METER                                                                                                                        | LEADER, ZOLOTO, LK, KRANTI, SANT                                            |
| 15.14      | BRASS STOP AND BIB COCK                                                                                                            | LEADER, ZOLOTO, LK, KRANTI, SANT                                            |
| 15.15      | NON RETURN VALVE (CHECK VALVE)H" TO 1 1/4"                                                                                         | LEADER, ZOLOTO, LK, KRANTI, SANT                                            |
| 15.16      | INSULATION FOR HOT WATER PIPES                                                                                                     | KAIFLEX , ARMAFLEX, CAREFLEX                                                |
| 15.17      | EUROPEAN WC, INDIAN WC, WASHBASIN, URINALS                                                                                         | JAQUAR, KOHLER, ROCA, HINDWARE, PARRYWARE                                   |
| 15.18      | GULLY TRAPS                                                                                                                        | PERFECT, PARRY, JAYASWAL-NECO, MOLI CERAMICS, BIKANER CLAY PRODUCTS         |
| 15.19      | BALL VALVES /IN BUILT FILTER                                                                                                       | RAPID CONTROL, CIM, SKS, L&T VALVES, ZOLOTO, ARCO                           |
| 15.20      | BUTTERFLY VALVE                                                                                                                    | KIRLOSKAR, CASTLE, KSB, LEADER, ZOLOTO                                      |
| 15.21      | FLOOR GRATING                                                                                                                      | NEER, GMGR                                                                  |
| 15.22      | PVC CISTERN                                                                                                                        | JAQUAR, HINDWARE, KOHLER                                                    |
| 15.23      | PRESSURE REDUCING VALVE                                                                                                            | ZOLOTO, LEADER, CIM                                                         |
| 15.24      | FIRE CLAY SINK                                                                                                                     | HINDWARE, PARRYWARE, CERA.                                                  |
| 15.25      | STAINLESS STEEL SINK                                                                                                               | JAQUAR, KOHLER, GROHE, AMERICAN STANDARD, CERA, NEELKANTH, NIRALI, JAYNA    |
| 15.26      | DI PIPES AND FITTINGS                                                                                                              | ELECTRO STEEL, JINDAL, TATA DUCTURA,                                        |
| 15.27      | RCC PIPES                                                                                                                          | INDIAN HUME PIPE, JAIN & CO, MADURAI SPUN PIPE,                             |

|            |                                                                                              |                                                                                                     |
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| 15.28      | WATER STOPS                                                                                  | DR.FIXIT, ARDEX, ENDURA, HYDROSWELL, ALSTRONG,                                                      |
| 15.29      | STRUCTURAL SEALANT                                                                           | SMART CARE, FOSROC, GE                                                                              |
| 15.30      | PVC WATER TANK                                                                               | SINTEX, SPL, SFMC                                                                                   |
| 15.31      | PTMT FITTINGS                                                                                | PRAYAG POLYMER PVT. LTD, PRINCE                                                                     |
| <b>16.</b> | <b>WATER PROOFING</b>                                                                        |                                                                                                     |
| 16.1       | WATERPROOFING COMPOUND AS ADMIXTURES IN CONCRETE, PLASTICIZERS, OTHER CONSTRUCTION CHEMICALS | FOSROC, CICO, SIKa, PIDILITE, WEBER, HUNTSMAN, BASF, STP MYK, SCHOMBURG, DR FIXIT, ASIAN SMART CARE |
| 16.2       | WATERPROOFING SELF ADHESIVE(HDPE) MEMBRANE                                                   | MYK, DBS, BASF, FOSROC, PIDILITE, SUPREME, ASIAN SMART CARE                                         |
| 16.3       | PU ELASTOMERIC MEMBRANE                                                                      | FIRE STONE, DBS, PIDILITE, CICO, BERGER , ASIAN SMART CARE, STP                                     |
| 16.4       | EPDM WATERPROOFING MEMBRANE                                                                  | CARLISLE, PIDILITE, FIRESTONE, DBS, ASIAN SMART CARE                                                |
| 16.5       | FLEECE TPO                                                                                   | CARLISLE, FIRESTONE, SOPREMA, ASIAN SMARTCARE                                                       |
| 16.6       | SWELLABLE BAR                                                                                | PIDILITE, FOSROC, MYK SCHOMBURG, ASIAN SMART CARE                                                   |
| 16.7       | CRYSTALLINE WATER PROOFING ADMIXTURE                                                         | PENETRON, KRYTON, PIDILITE, FOSROC ,ASIAN SMART CARE                                                |
| 16.8       | APP POLYMERIC POLYETHYLENE FELT                                                              | BITUMAT, STP, BENGAL BITUMEN                                                                        |
| 16.9       | SANDWICH PUF PANELLED ROOFING SHEET.                                                         | LLOYD, JINDAL, GESILICON                                                                            |
| 16.10      | EPDM GASKET                                                                                  | ANAND, AMEE, HANU                                                                                   |
| 16.11      | MASKING TAPES                                                                                | 3M, WONDER, SUN                                                                                     |
| <b>17.</b> | <b>THERMAL INSULATION</b>                                                                    |                                                                                                     |
| 17.1       | PIR INSULATION BOARD                                                                         | CARLISLE, FIRESTONE, LLOYDS INSULATION                                                              |
| 17.2       | GLASS WOOL INSULATION                                                                        | UP TWIGA, ROCKWOOL INDIA, LLOYD INDIA, OWEN CORNING                                                 |
| 17.3       | ROCK WOOL INSULATION                                                                         | LLOYD, ROXUL, ROCKWOOL INDIA, OWEN CORNING                                                          |
| 17.4       | UNDERDECK INSULATION                                                                         | UP TWIGA, LLOYD, ROXUL, INSUBOARD                                                                   |
| 17.5       | EXTRUDED POLYSTYRENE BOARD INSULATION (XPS BOARD)                                            | DOW BUILDING SOLUTIONS, OWENS CORNING, ISOFOAM, STYLAM, SUPREME PETROCHEM INDUSTRIES LTD, TEXSA     |
| 18.        | ANTITERMITE TREATMENT                                                                        | PEST CONTROL INDIA LTD, GODREJ, CAPITAL                                                             |
| 19.        | UPVC HARDWARE                                                                                | DNBHOPPE, COAR                                                                                      |
| <b>18.</b> | <b>DECKING</b>                                                                               |                                                                                                     |
| 18.1       | SKYLIGHT/POLYCARBONATE SHEET                                                                 | DANPAL, GE, ALCOX.                                                                                  |
| 18.2       | POWDER COATED GI SHEET                                                                       | TATA, ESSAR, JSW STEEL LTD, JSPL, LLOYDS, BHUSAN                                                    |
| <b>19.</b> | <b>ROAD WORK</b>                                                                             |                                                                                                     |
| 19.1       | BITUMEN                                                                                      | INDIAN OIL/ HINDUSTAN PETROLEUM/ BHARAT PETROLEUM                                                   |
| 19.2       | INTERLOCKING PAVER BLOCK                                                                     | SHARDA TILES, HELIX                                                                                 |
| <b>20.</b> | <b>OTHER ITEMS</b>                                                                           |                                                                                                     |
| 20.1       | STAINLESS STEEL                                                                              | SALEM STEEL (SAIL), JINDAL ALLOYS                                                                   |
| 20.2       | STAINLESS STEEL RAILING                                                                      | KICH, OZONE, REHASA, JINDAL (COMPLETE RAILING SYSTEM)                                               |
| 20.3       | STAINLESS STEEL SCREW                                                                        | NETTLEFOLD, JKW ALLOY                                                                               |
| 20.4       | STAINLESS STEEL HINGES                                                                       | DORMA, OZONE, GEZE                                                                                  |
| 20.3       | POLY-SULPHIDE SEALANT                                                                        | FOSROC, SIKa, PIDILITE, AKZONOBEL, LATICRETE, WACKER, DOW CORNING                                   |

|           |                                                                                         |                                                                                                           |
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| 20.5      | TILE AND STONE ADHESIVE, GROUTING COMPOUND , MORTAR REPAIR COMPOUND, STRUCTURE GROUTING | PIDILITE, BAL ENDURA, FOSROC, FERROUSCRETE, TEEMAX, TEEMAX TETRA POLYMORTAR 44, LATICRETE / MYK LATICRETE |
| 20.6      | WOOD ADHESIVE                                                                           | FEVICOL, 3M, SIKA, THERMOSHIELD                                                                           |
| 20.7      | DASH AND ANCHORING FASTENERS                                                            | HILTI, FISCHER, BOSCH, WUERTH                                                                             |
| 20.8      | FLOOR HARDENER                                                                          | IRONITE, FERROK, HARDONATE                                                                                |
| 20.9      | MODULAR EXPANSION JOINT                                                                 | HERCULUS, VEXCOLT, DEVIN, CS, Z-TECH, SAINFIELD                                                           |
| 20.10     | S S MESS                                                                                | GKD, WMW, JINDAL                                                                                          |
| 20.11     | WIRE MESH                                                                               | STERLING ENTERPRISES, TRIMURTY WELDED MESH                                                                |
| 20.12     | TOILET MODULAR CUBICALS                                                                 | MERINO BY BESCO, MATRIXCUBICLE SYSTEM, JAGUAR, GREENLAM STURDO                                            |
| 20.13     | PRE-CAST GRC JALI                                                                       | UNISTONE, DALAL TILES, BIRLA, DELHI GRC                                                                   |
| 20.14     | TERRA COTTA TILES                                                                       | CITADEL, TEMPIO, AGROB BUCHTAL, UNISTONE                                                                  |
| 20.15     | WELDING ELECTRODES                                                                      | ADVANI, L & T, ESAB                                                                                       |
| 20.16     | PVC STRIPS                                                                              | FIXOPAN , ALOK PACKAGING                                                                                  |
| 20.17     | PVC GUARD RAIL AND PVC CORNER GUARD                                                     | WINDOWTECH, TSI, TECHNOMED, JDV                                                                           |
| 20.18     | BUILDING SIGNAGE                                                                        | SIGNSUTRA, PR GRAPHICS, MOTIVATTE SOLUTION                                                                |
| 20.18     | SELF-LEVELING COMPOUND                                                                  | BASF, FOSROC, SIKA, MYKLATICRETE                                                                          |
| 20.19     | PRECAST DRAIN COVER/KERB CHANNEL                                                        | S&S, HPL, KK, NITCO, KERAKROME, TERRAFIRMA                                                                |
| 20.20     | CHEQUERED PRECAST CC TILES                                                              | NTC, SWASTIC, GTC                                                                                         |
| 20.21     | G.I. STEEL DOOR FRAME                                                                   | SYNERGY THRISLINGTON ,SHAKTI HORMANN, BHAWANI FIRE                                                        |
| 20.22     | POLYETHYLENE BACK UP ROD                                                                | SUPREME IND, SYSTRANS POLYMERS                                                                            |
| 20.23     | SMOKE SEAL INTUMESCENT                                                                  | HILTI, SIKA, 3M                                                                                           |
| 20.24     | BACKER ROD                                                                              | SUPREME, SYSTRANS POLYMERS, BACKERROD                                                                     |
| 20.25     | PVB LAMINATION                                                                          | DUPONT, SAFLEX, EVERLAM                                                                                   |
| 20.26     | SGP LAMINATION                                                                          | DUPONT, SAFLEX, EVERLAM                                                                                   |
| 20.27     | PVDF COATING                                                                            | AKZONOBEL, VALSPAR, EVERFLON POLYMER                                                                      |
| 20.28     | SPACER TAPE (OPEN PU CELL)                                                              | NORTON, BOW, 3M                                                                                           |
| 20.29     | ANCHOR CHANNELS (CAST IN CHANNEL)                                                       | HAFAL ,HILTI, SCHUCO, SAPA BUILDING SYSTEMS, EUROPEAN FAÇADE PRODUCT (EPF)                                |
| 20.30     | FLAG MAST                                                                               | Bajaj/Philips/Valmont                                                                                     |
| <b>21</b> | <b>ELECTRICAL</b>                                                                       |                                                                                                           |
| 21.1      | Wires & Cables                                                                          | Polycab /Finolex/ Havells / Gupta/ RR cable                                                               |
| 21.2      | MCBs                                                                                    | Legrand / L&T/Havells/Schneider                                                                           |

**25. SCOPE OF WORK:** The scope of work includes Structural design-detailing of RCC foundation for flag mast, Supply, Installation, testing and Commissioning of 100ft National Flag Mast.

**26. DRAWINGS:** On award of work, the successful tenderer shall prepare structural and architectural drawing of RCC foundation in accordance with the drawing and specifications of the 30.50mtr flag mast. The same shall be certified or approved from Government Institute or Organization like IIT/NIT/CET or any govt. institute before start of the work. The tenderer shall furnish layout drawing for approval by the Engineer-in-charge including ducting, cable route etc. Such details shall be based upon specifications, local laws and regulations.

**27. MATERIALS:** All the materials required for this work should conform to relevant IS specifications and from list of Approved makes attached. The copies of Purchase Vouchers should be produced along with the materials, if required. The test certificates are also to be submitted, if required.

**28. STORAGE OF MATERIALS:** The contractor shall provide proper and adequate storage facilities to protect all the materials and equipment against damage from any cause whatsoever. The watch & ward of the stores, equipment & materials shall be the responsibility of the contractor till the completion, commissioning & handing over to AIIMS,BBSR. Necessary store should be made by the contractor if required. The contractor shall take away the balance of any materials left at the site after commissioning of the system.

**29. SAMPLES:** The Contractor shall require to provide samples of the materials, wherever applicable, sufficiently in advance at free of cost to obtain approval of AIIMS,BBSR. Rejected materials shall be removed from the site immediately under the supervision of EIC.

**30.TESTING AND MEASURING EQUIPMENTS:** Equipment for measurement of work and testing the installation shall be procured by the Contractor for their use at their own cost.

**31.SITE MAINTENANCE DURING EXECUTION OF WORK:** The Contractor shall from time to time clear and remove all rubbish and obstructions from the site and the work area shall be kept clear and unobstructed at all times. Nothing extra shall be paid on this account.

**32. CONFORMITY TO IE ACT, IE RULES AND REGULATIONS:** All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act-1910, Indian electricity rules – 1956 amended up to date (date of call of tender unless specified otherwise) and the State Electrical Inspectorate. The works shall also conform to relevant Indian standard Codes of Practice (COP) for the type of work involved. All materials to be used in work shall be ISI marked. In all electrical works, relevant safety codes of practices shall be followed.

**33.CONFORMITY TO MINISTRY OF HOME AFFAIRS GUIDELINES REGARDING NATIONAL FLAG:** All upto date guidelines, Flag codes & instructions of Ministry of Home Affairs, Govt. of India regarding National Flag must be strictly followed pertaining to the above said work.

**34.OTHER WORKS:** The contractor shall be responsible for any damage resulting from his negligence to existing facilities /installations and will restore, replace or repair any such damages at his cost to the complete satisfaction of AIIMS,BBSR.

**35.COMPLETION DRAWINGS/OPERATION & MAINTENANCE MANUALS:** On completion of works, the contractor shall submit two sets of "As – Built" drawings (Hard &Soft) and Operation & maintenance manual to AIIMS,BBSR before submission of the final bill.

**36.BYE-LAWS:** The contractor shall comply with all bye-laws and regulations of local and statutory authorities having jurisdiction over the works and shall be responsible for obtaining prior approval. The Contractor shall comply with proper and legal orders and directions of local or public authority or municipality and abide by their rules and regulations and pay all fees and incidental charges which may be liable during the contract period.

**37.SAFETY:** Only properly tested and marked material handling equipment shall be used. All supporting arrangements and fixing details shall be checked periodically and necessary rectifying actions are to be taken in order to ensure safe handling of loads during different operations. The contractor shall be responsible for all damages and accidents caused due to negligence on his part.

**38.COMMISSIONING ON COMPLETION:** After the work is completed, it shall be ensured that the installation is tested and commissioned. All the test /calibration certificates shall be submitted to AIIMS,BBSR before handing over of the system.

### **TECHNICAL SPECIFICATIONS**

**1. SCOPE OF WORK :** The scope of this specification covers the Design, drawing, manufacture, transport, construction, installation, testing and commissioning of the complete flag system & Its premises area, using Raising and Lowering type of flag mast towers, including the Civil Foundation Works ( soil test, structural design-detailing, Land Scope architecture drawing etc ) .

Details of scope:

### **I.For Flag Mast**

- Supply of 30.50 meter flag mast.
- Supply of foundation bolts.
- System for Raising and Lowering of flag.
- Supply of System & Aviation Obstruction light.
- Supply of Four numbers 5 mtr hot dip galvanized octagonal pole with 350W LED light.
- Supply of national flag of size 30 ft.(l) x 20 ft.(h)
- Construction of foundation for 30.5 meter flag mast with M 20 grade RCC.
- Erection of 30.5 meter flag mast {30 ft.(l) x 20 ft.(h)}
- Provision of GI pipe earthing for 30.5 meter height flag mast.
- Painting of flag mast.
- SITC of outdoor type dust and vermin proof 3P Street lighting panel
- Construction of foundation for 5m pole and erection.

### **II.For fixing Of statue**

- Providing and fixing Charakha/Agstya/Susruta rishi statue minimum Height 1.50 mtr to 1.65 mtr & minimum width 1.05 ± 25MM made of Black Granite Stone (approved Stone size and quality) Including proper Design, finishing, Polishing & etc fittings on RCC Base Area wherever required for making to complete the statue.

### **III. ALL other Developmental works/job as per BOQ Near Flag post, Statue & Lawn area.**

#### **2. APPLICABLE STANDARDS.**

The applicable codes followed for high mast designs are as follows: -

- (a) TR. No. - 7 : High Masts for Lighting of ILE, UK
- (b) IS 875 Part – 3 : Wind Loading ( Basic wind speed :- 62.5mtr/sec )
- (c) BS EN 10025:1993 : High Tensile Steel Sheets
- (d) BS EN ISO 1461 : Galvanization
- (e) SABS 0225:1991 : High Mast natural frequency calculation
- (f) IS 2062 Mild Steel
- (g) IS 3459 /2256 : Stainless Steel Wire Rope
- (h) IS 325 : Motor

#### **3. FLAG MAST :**

- (a) Pole:

(i) Structure details. The Flag Mast shall be continuously tapered, polygonal cross sections (twenty sided) with the pulley box arrangement at the top. The structure gives good visual appearance and is based on proven design

confirming to relevant Indian standards, to give assured performance, reliability and service. The Masts are constructed from steel conforming to BSEN 10025 and cut and folded to form twenty sided section and is telescopically jointed and fillet welded. Mast section delivered to site shall not have any intermediate joint. The Mast is provided with full-penetrated flange, which is free from any lamination or incursion. The welded connection of the base flange is fully developed to the strength of the entire section. The base flange is provided with supplementary gussets between the bolts to ensure elimination of helical stress concentration. For metal protection of the Mast, the entire fabricated Mast is hot dip galvanized internally and externally in single dip. The external surface of the mast is also applied with suitable Poly Urethane paint. A vandal resistant, weather proof, lockable door of suitable size is provided at the base of high mast to access comfortably the components at the base compartment for normal operation & for maintenance.

(ii) Dynamic Loading of Mast.

The mast structure shall be suitable to sustain an assumed maximum reaction arising from a wind speed as per IS 875 ( Basic wind speed 62.5 m/sec ) and are measured at a height of 10 metres above ground level. The designed life of the mast should be 25 Years.

(i) Winch:

The winch shall be high speed completely self sustaining without the need for brake shoe, springs or clutches. There is a permanent oil bath for self-lubrication. The drums are to be properly grooved to provide a perfect seat for wire ropes. The raising time of the flag shall not be more than 3 minutes. The winch is normally be operated by an electrical power tool however there should be provision for manual operation also by means of manual handle. The winches are type tested through reputed institutions like IIT/NIT as consultants or NABL certified Lab's/Govt. Lab and the type test reports are submitted along with offer. A test certificate is to be submitted along with supplies.

(ii) Head Frame.

The hot dip galvanized head frame is to be designed as a capping unit of the mast is of welded steel construction and provided with guides and separators between the ropes and cable. The LM6 Aluminium pulleys with bush bearing mounted through stainless steel shaft shall be suitable to accommodate wire ropes and multi core trailing cable. The head frame is provided with guides and stops with PVC buffer for the docking of luminaires carriage. The pulley assembly is covered by a hot dip galvanized canopy.

(iii) Stainless Steel Wire Ropes.

The stainless steel wire ropes are generally be of 6 mm dia, 7/19 construction with central core being stainless steel only. The grade of wire ropes are in accordance to AISI 316. The breaking load of each rope is not less than 2350 Kg giving a factor of safety of more than 5 for the system at full load as per the Technical Report No -7. The end construction of rope for the winch drum is fitted with copper talurit and for two continuous ropes, the end termination in luminaires carriage 3 are with stainless steel thimble and copper splicing and for others with stainless steel thimble and bull dog grips.

(iv) Power Tool for Winch.

Three phase, single speed, 06 pole high-powered motor of suitable rating as per India Standard Certification are to be provided at the base of mast to facilitate raising & lowering operation of flag/ luminaires carriage. The motors are to be coupled with the winch shaft through chain & sprocket. A mechanical torque limiter is to be mounted on motor shaft to stop transmission of motion from motor to winch in case of excess load and thus prevent the damage to winch and breakage of rope.

(c) Other Accessories:

(i) Lightening Finial.

One number of FRP ornamental finial (DOME) shall be provided for each FLAG mast on the head arrangement is to be provided.

(ii) Aviation Obstruction Lights.

LED aviation lights are mounted on the lantern carriage to comply to the aviation norms where applicable. The 15 connection for these aviation obstruction lights shall be made using 3C X 2.5 sq mm copper un armoured cables.

(iii) Earthing Terminals.

Earth terminal using 12 mm diameter hot dip galvanized bolts are provided on the door stiffener of the mast for lightning and electrical earthing of the mast.

(iv) Feeder Pillar / Control Box.

Each Mast shall be provided with a panel box , housing 32A TPN MCB incomer along with 2 no. 9A contactors & switches for forward/ reverse operation of motor & to provide supply to the poles. The box is constructed of 14 SWG CRCA sheet IS finished with two Coates of red oxide primer & grey enamel paint of shade 631 of IS 5. It should have 4 nos of 10A SPMCB to control 2 nos of aviation lamp and 2 nos of flood light.

(d) POLES WITH FLOOD LIGHT FITTINGS:

Two numbers of 05 Mtrs Octagonal poles with LED Flood Light Luminaries type 350W fittings shall be provided to illuminate the national flag.

(e) HARDWARES.

Hardwares play a very important role on the overall performance of high flag mast systems. Hardware materials are to be chosen carefully so that there is no compromise on safety or risk to the human lives. Appropriate grade and size of materials are absolutely necessary to ensure full safety. Single & double grooves clamps & W.G clamps are mandatory to ensure the proper operation of raising & lowering systems.

(f) ELECTRICAL SYSTEM, CABLE AND CABLE CONNECTIONS.

The power cable from base compartment to junction box at the top shall be 1.1 KV grade PVC insulated, fire retardent, PVC sheathed copper conductor of size minimum 3 core X2.5 sqmm wiring from junction box to aviation light is to be done using 3 core 2.5 sqmm PVC insulated, PVC sheathed, copper conductor flexible cable. Suitable arrangement is to be provided in the base compartment to receive and terminate incoming power cable and MCB in a box for isolation of incoming power supply.

(g) INCOMING POWER CABLE.

The power cable of 4c 16 sqmm upto the feeder pillar from supply point shall be carried out as per BOQ

(h) LUMINARIES.

The flood light luminaries should be 350W LED with minimum output of 100 lumen/watt, IP 66 rated, and must have minimum 10 KV surge protection. It should have power coated die cast aluminum housing with frame, heat resistant clear toughened glass fixed to the frame with silicon. This flood light shall be installed on suitable pole on plinth with supply & laying of 3Cx2.5 sqmm copper cable for the individual wiring of the luminaire.

(i) PU Painting.

Flag mast shall be finished with polyurethane (PU) paint ( white color ) over galvanized surface after application of Etch primer and primer coat.

(j) Flag .

The national Flag of the size 20 feet x 30 feet in 100% knitted polyster (140 gsm) as relent OS code, with reinforced super strong nylon webbing on all 3 sides & rope / toggle sleeve. Flag shall confirm the Flag Code of India, 2002 & its updated amendments.

## **TECHNICAL DETAILS FOR 30.5 MTR. FLAG MAST**

### **High Mast system**

Make : Bajaj/Philips/Valmont /Equivalent AIIMS,BBSR approved make.  
Height of Mast : 30.5 Mtr.  
Basic Wind Speed :250 Km/hr  
No. of sections : Three  
Material construction : BS- EN10025 S 355 grade  
Base dia. and top diameter (A/F): Top: 150 mm, Bottom- 610 mm,  
Plate thickness : Top- 3mm, Middle-4mm, Bottom- 5mm  
Cross section of Mast : 20 side polygon  
Standard for of galvanization : As per BS EN ISO 1461(1500 X 400mm)  
(Size of opening and door at base)  
Diameter of base plate : 840mm  
Thickness of base plate : 30mm  
Max. Wind speed : As per IS: 875 (Part-III)  
Number of foundation bolts : 16 nos.  
Type/diameter/length of foundation bolts : 850mm : TS 600/30mm dia./850mm long  
Power cable cable for Aviation : Copper, 3 core, 2.5Sqmm Armored cable

### **Winch/ Power tool**

Type/SWL of winch Method of operation : Double Drum, SWL 70 Kg (SGDD 30/6 PB) : Integral motor  
Motor capacity : 2HP  
No of speeds :6/ 4 Pole single speed  
Torque limiter : With mechanical tripping facility

### **Wire rope for flag**

Grade/construction :Galvanised  
No of ropes :100mm long X 1 Nos.  
Diameter (mm) : 6 mm

### **Wire rope for balance weights**

Grade/construction Number of ropes :Galvanised  
Diameter(mm) : 6mm  
Number of ropes : 100 mm long x 1 nos

### **Wire rope for balance weights**

Grade/ construction number of ropes : Galvanised , 32mm long x 3nos.  
Diameter(mm) : 06 mm  
Control panel : Custom built panel  
LED AOL : Bajaj/Philips or equivalent ( AIIMS,BBSR approved make )

## **ELECTRICAL TECHNICAL SPECIFICATION**

### **WIRING**

#### **1. GENERAL**

Technical specifications in this section cover the Internal Wiring Installations comprising of Wiring for convenience socket outlet in surface/concealed conduit.

#### **2. STANDARDS AND CODES.**

Latest up-to-date Indian Standard (IS) and Code of practice will apply to the equipment and the work covered by the scope of this contract. In addition, the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended UpToDate shall also apply. Wherever, appropriate Indian Standards are not available, relevant British and/or IEC Standard shall be applicable.

#### **3.0 LT CABLES**

### 3.1 GENERAL

LT Cables shall be supplied, inspected, laid, tested and commissioned in accordance with specifications, relevant Indian Standards Specifications, and cable manufacturer's instructions. The cable shall be delivered at site in original drums with manufacturer's name clearly written on the drums. The recommendations of the cable manufacturer with regard to jointing and sealing be strictly followed.

### 3.2 MATERIAL

The L.T. Cables shall be XLPE insulated FRLS aluminum conductor armored cable, PVC inner sheathed, overall PVC sheathed in conformity to latest technical specification and as per latest IS code.

### 3.3 LT CABLE LAYING

3.3.1. The cable shall be laid directly in cable tray clamped with 40mm x 3mm MS flat clamp, in HDPE pipe below 750 mm from ground level and in cable trench. The cable is to be laid over the sand bed. The sand bed protects the cable from the moisture from the ground. The cable laying work will be done as per CPWD specification of electrical works.

### 3.4 INSPECTION.

All cables shall be inspected at site and checked for any damage during transit.

### 3.5 JOINTS IN CABLES

The Contractor shall take care to see that the cables received at site are apportioned to various locations in such a manner as to ensure maximum utilization and avoiding of cable joints. This apportioning shall be got approved from Engineer-In-Charge before the cables are cut to lengths.

### 4.0 TESTING OF CABLES

4.1 Prior to installation of cables, the following tests shall be carried out. Insulation test between phases, phase & neutral, phase & earth for each length of cable.

- a) Before laying
- b) After laying
- c) After jointing

4.2 On completion of cable laying work, the following tests shall be conducted in the presence of the Engineer-in-Charge.

- a) Insulation Resistance Test (Sectional and overall).
- b) Continuity Resistance Test.
- c) Earth Continuity Test.

4.3 All tests shall be carried out in accordance with relevant Indian Standard code of practice and Indian Electricity Rules. The contractor shall provide necessary instruments, equipment's and labour for conducting the above tests & shall bear all expenses of conducting such tests without any extra charge.

### 5. CONDUITS.

5.1. **MS CONDUITS.** Wiring shall be carried out in surface/concealed conduits. The MS conduits conform to Latest and shall be ISI embossed. The conduits shall be heavy gauge (minimum 2 mm wall Thickness) and the interiors of the conduits shall be free from all obstructions. All joints in conduits shall be tightening properly with socket. Damage conduits/fittings shall not be used. Cut ends of conduits shall not have sharp edges.

5.2. **BENDS.** As far as possible, the conduit system shall be so laid out that it shall obviate use of tees, elbows and sharp bends. No length of conduit shall have more than the equivalent of two quarter bends from inlet to outlet.

6. **WIRES.** Wiring shall be carried out with FRLS insulated 660/1100-volt grade unsheathed single core wires with electrolytic annealed standard copper (unless otherwise stated) conductors conforming to latest IS Code. All wire rolls shall be ISI marked. All wires shall bear manufacturer's label and shall be brought to site in new and original packages. Manufacturer's certificate, certifying that wires brought to site are of their manufacture shall be furnished as required.

### 7. LAYING OF CONDUITS

- Conduits shall be laid on surface/concealed on walls and ceilings as required.

- Same rate shall apply for surface/concealed Conducting in this contract.
- Stranded copper conductor insulated wire of size as per schedule of quantities shall be provided in entire conducting for loop earthing.

## **9. LAYING AND DRAWING OF WIRES.**

### **9.1. BUNCHING OF WIRES**

Wires carrying current shall be so bunched in conduits that the outgoing and return wires are drawn into the same conduit. Wires originating from two different phases shall not be run in the same conduit.

### **9.2 DRAWING OF WIRES.**

The drawing of wires shall be done with due regard to the following precautions: No wire shall be drawn into any conduit, until all work of any nature, that may cause injury to wire is completed. Burrs in cut conduits shall be smoothened before erection of conduits. Care shall be taken in pulling the wires so that no damage occurs to the insulation of the wire. Approved type bushes shall be provided at conduit terminations. Before the wires are drawn into the conduits, conduits shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction by forcing compressed air through the conduits if necessary. While drawing insulated wires into the conduits, care shall be taken to avoid scratches and kinks which cause breakage of conductors. There shall be no sharp bends. The Contractor shall, after wiring is completed, provide a blank metal/mica plate on all switch/outlet/junction boxes for security and to ensure that wires are not stolen till switches/ outlets etc. are fixed at no extra cost the contractor shall be responsible to ensure that wires and loop earthing conductors are not broken and stolen. In the event of the wire been partly/fully stolen, the contractor shall replace the entire wiring along with loop earthing at no extra cost. No joint of any nature whatsoever shall be permitted in wiring and loop earthing.

### **9.3 TERMINATION/JOINTING OF WIRES.**

Sub-circuit wiring shall be carried out in looping system. Joints shall be made only at distribution board terminals, switches for socket outlets. No joints shall be made inside conduits or junction/draw/inspection boxes. Switches controlling socket outlets shall be connected in the phase wire of the final sub circuit only. Switches controlling socket outlets shall be connected in the neutral wire. Wiring conductors shall be continuous from outlet to outlet. Joints where unavoidable, due to any special reason shall be made by approved connectors. Specific prior permission from Engineer-in-Charge in writing shall be obtained before making such joint. Insulation shall be shaved off for a length of 15 mm at the end of wire like sharpening of a pencil and it shall not be removed by cutting it square or wringing. Strands of wires shall not be cut for connecting terminals. All strands of wires shall be twisted round at the end before connection. Conductors having nominal cross-sectional area exceeding 1.5 Sq. mm shall always be provided with crimping sockets. Tinning of the strands shall be done wherever crimping sockets are not available as per instructions of the Executive Engineer (Electrical). All wiring shall be labelled with appropriate plastic ferrules for identification. At all bolted terminals, brass flat washer of large area and approved steel spring washers shall be used. Brass nuts and bolts shall be used for all connections. The pressure applied to tighten terminal screws shall be just adequate, neither too less. Switches controlling socket outlets shall be connected to the phase wire of circuits only. Only certified valid license holder wiremen shall be employed to do wiring/jointing work.

### **9.4 LOAD BALANCING.**

The contractor shall plan the load balancing of circuits in 3 phase installation and get the same approved by the Engineer-in-Charge before commencement of the work.

### **9.5 COLOUR CODE OF CONDUCTORS.**

Colour code shall be maintained for the entire wiring installation – red, yellow, blue for three phases, blank for neutral and green for earth.

## **10. PERFORMANCE.**

Should the above tests not comply with the limits and requirements as above the contractor shall rectify the faults until the required results are obtained. The contractor shall be responsible for providing the necessary instruments and subsidiary earths for carrying out the tests. The above tests are to be carried out by the contractor without any extra charge.

#### 11. **MINIATURE CIRCUIT BREAKERS.**

The MCB's shall be of the completely moulded design suitable for operation at 240/415 Volts 50 Hz system. The MCB's shall have a rupturing capacity of 10 KA at 0.5 pf. The MCB's shall have inverse time delayed thermal overload and instantaneous magnetic short circuit protection. The MCB time current characteristic shall coordinate with XLPE cable characteristic. Type test certificates from independent authorities shall be submitted before the execution of work.

#### **LIST OF APPROVED MAKES**

**(For work covered under this Contract)**

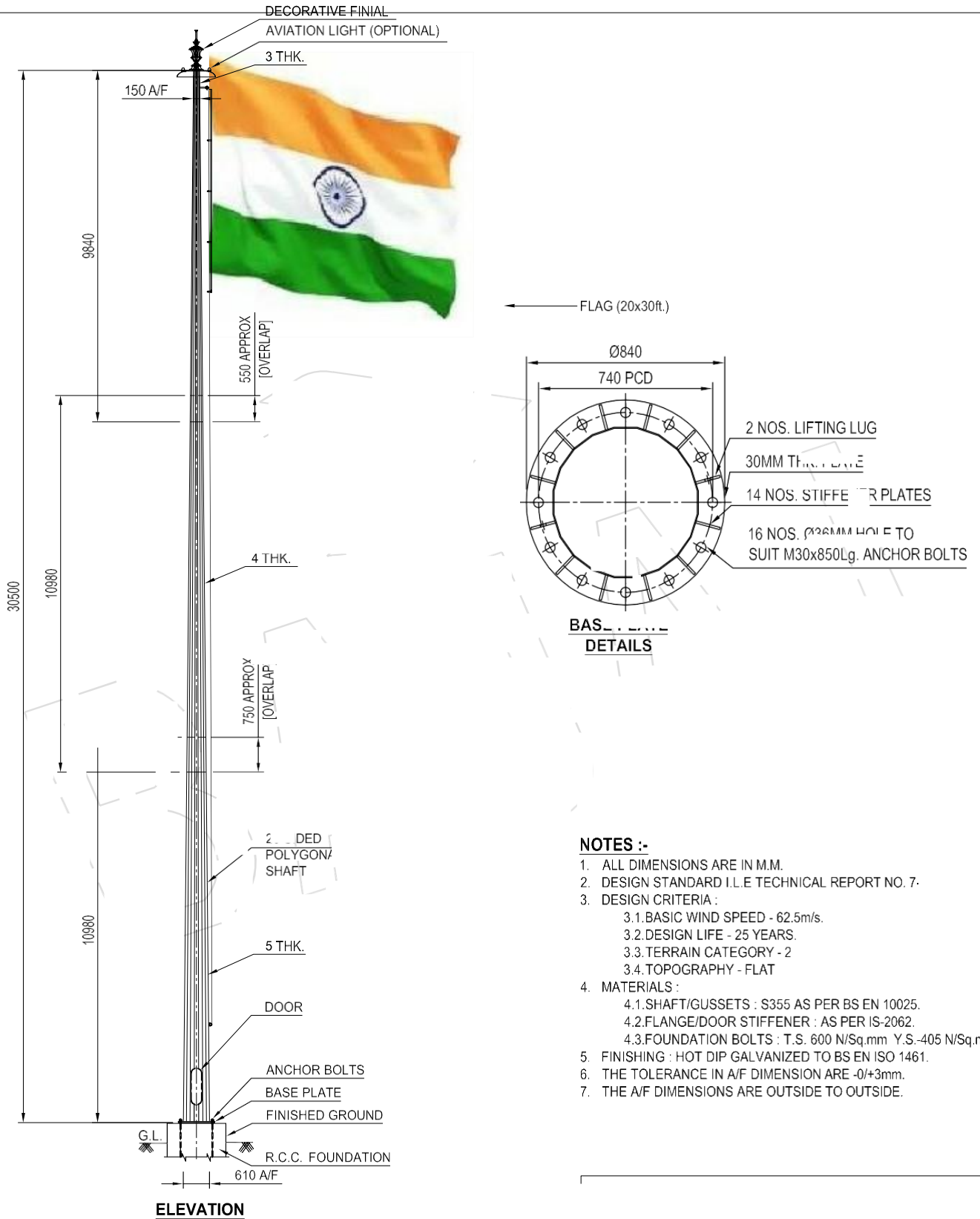
| Sl. No. | Description of Items | Make                                        |
|---------|----------------------|---------------------------------------------|
| 1       | Wires & Cables       | Polycab /Finolex/ Havells / Gupta/ RR cable |
| 2       | MCBs                 | Legrand / L&T/Havells/Schneider             |

12. The above work included in this Contract consists of “**Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**”

**Executive Engineer (Civil)**  
**AIIMS, Bhubaneswar**

## Sample Drawing (Tender Purpose Only)

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED



## PROFORMA OF SCHEDULES

(Separate Performa for Works in case of Composite Tenders)  
(Operative Schedules to be supplied separately to each intending tenderer)

### SCHEDULE 'A'

Schedule of quantities: - (ENCLOSED)

### SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

| Ser. No. | Description of item | Quantity | Rates in figures & words at which the material will be charged to the contractor | Place of issue |
|----------|---------------------|----------|----------------------------------------------------------------------------------|----------------|
| (1)      | (2)                 | (3)      | (4)                                                                              | (5)            |
| NIL.     |                     |          |                                                                                  |                |

### SCHEDULE 'C'

Tools and plants to be hired to the contractor

| Ser. No. | Description | Hire charges per day | Place of Issue |
|----------|-------------|----------------------|----------------|
| (1)      | (2)         | (3)                  | (4)            |
| DELETED  |             |                      |                |

### SCHEDULE 'D'

Additional Condition and specifications: Enclosed.

### SCHEDULE 'E'

*(Reference to General conditions of Contract.)*

Name of Work : **Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**

Estimated Cost of Work: **Rs 30,93,972/-**

- |     |                       |   |                              |
|-----|-----------------------|---|------------------------------|
| (a) | Earnest Money         | = | 2% of Estimated cost         |
| (b) | Security Deposit      | = | <u>2.5% of Billed value</u>  |
| (c) | Performance Guarantee | = | <u>05% of Contract Value</u> |

### SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

**Officer Inviting Tender :- Executive Engineer (Civil), AIIMS, Bhubaneswar**

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined:-

in accordance with Clause -12.2 &12.3 =

See below

## Definitions

|         |                                                                              |                                                                                                          |
|---------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 2 (v)   | Engineer-in-Charge                                                           | <b>Superintending Engineer,</b><br>AIIMS, Bhubaneswar                                                    |
| 2(viii) | Accepting Authority                                                          | <b>Executive Director</b><br>AIIMS, Bhubaneswar                                                          |
| 2(x)    | Percentage on cost of materials and labor to cover all over heads and profit | 15%                                                                                                      |
| 2(xi)   | Standard Schedule of Rates                                                   | Central Public Works Department<br>Schedule of Rates - 2023 at Delhi<br>with up to date correction slips |
| 9(ii)   | Standard AIIMS Contract Form                                                 | GCC for CPWD Works - 2023 as<br>amended and up to and including<br>correction slip                       |

### Clause – 1.

- (i) Time allowed for submission of Performance guarantee, : 07 Days  
Program Chart (Time & Progress) and applicable Labor  
Licenses, Registration with EPFO, ESIC & BOCW  
Welfare Board or proof of applying thereof from the date  
of issue of letter of acceptance
- (ii) Maximum allowable Extension with late fee @ 0.1% of : 01 to 15 days.  
Performance guarantee amount beyond the period  
provided in (i) above.

### Clause – 2.

Authority for fixing compensation under Clause 2 : **Executive Director, AIIMS,**  
Bhubaneswar

### Clause – 3.

Whether Clause 3 shall be applicable : **Yes**

Clause-4. : **Yes**

### Clause – 5.

Time allowed for execution of work : **03(Three) Months**

Number of days from the date of issue of letter of acceptance for  
reckoning date of start : **07 Days.**

Authority to decide fair & reasonable extension of time for  
completion of work : **Superintending Engineer**  
**AIIMS, Bhubaneswar**

### Clause – 6.

Computerized Measurement book : **Yes**

### Clause – 7.

Payment on intermediate certificate to be regarded as Advances : **No**

### Clause – 7A.

Whether clause 7A shall be applicable : **YES.**

Clause – 7B. : **NO**

Clause – 8 & 8A. : **YES**

Clause – 9. : **YES**

Clause – 9A. : **NO**

Clause – 10A. : **YES:**

**Clause – 10B.**

Whether Clause 10B(ii) shall be applicable

: NO

**Clause – 10C.**

: Not applicable.

**Clause – 10CC.**

: Not applicable.

**Clause – 10D.**

: YES.

**Clause – 11.**

Specification to be followed for Execution of work as on the date of opening of the tender.

: CPWD Specifications Volume I &amp; II 2019 with up to date correction slips

**Clause – 12.**

12.2 &amp; 12.3 Limit for value of any item of any individual trade beyond which sub clauses (i) to (v) shall not be applicable

: 50% (Fifty Percent)

**Clause – 13.**

: YES

**Clause – 14.**

: YES

**Clause – 15.**

: YES

**Clause – 16.**

Competent Authority for deciding reduced rates

: **Superintending Engineer**  
AIIMS, Bhubaneswar**Clause – 17.**

: YES

**Clause – 18 to 24.**

: YES

**Clause – 25.**

Settlement of dispute &amp; Arbitration

: **Executive Director, AIIMS,**  
**Bhubaneswar****Clause – 36(i).**

Requirement of Technical Staff and rate of recovery in case of non-compliance shall be as per the following table :-

| Value of Work                                             | Ser. No | Minimum qualification of Technical Representative | Discipline | Designation (Principal Technical/ Technical representative) | Minimum Experience in years                                   | Number | Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i) |                              |
|-----------------------------------------------------------|---------|---------------------------------------------------|------------|-------------------------------------------------------------|---------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------|------------------------------|
|                                                           |         |                                                   |            |                                                             |                                                               |        | (Figures)                                                                                                         | (Words)                      |
| For Agreement amount up to Rs 150 Lakhs                   | (a)     | Graduate Engineer OR Diploma Engineer             | Civil      | Principal Technical representative                          | 02 years for Graduate Engineer/ 05 years for Diploma Engineer | 1      | Rs 15,000/- per month                                                                                             | Rs Fifteen Thousand only     |
| For Agreement amount between Rs 150 Lakhs to Rs 500 Lakhs | (a)     | Graduate Engineer                                 | Civil      | Principal Technical representative                          | 5 years                                                       | 1      | Rs 25,000/- per month                                                                                             | Rs Twenty-Five Thousand only |
|                                                           | (b)     | Graduate Engineer OR Diploma Engineer             | Civil      | Technical representative                                    | 02 years for Graduate Engineer/ 05 years for Diploma Engineer | 1      | Rs 15,000/- per month                                                                                             | Rs Fifteen Thousand only     |

### Schedule of Quantities

**NIT No.: AIIMS/BBSR/Engg./ 029 /2024-25**

**Name of Work: - Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**

| Sl No.                                                      | Description Of Item                                                                                                                                                                                                                                                                                                                                                             | QTY.     | Unit | Rate      | Amount            |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-----------|-------------------|
| <b><u>PART A- GENERAL CIVIL &amp; LANDSCAPING WORKS</u></b> |                                                                                                                                                                                                                                                                                                                                                                                 |          |      |           |                   |
| 1                                                           | Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. | 83.00    | cum  | 260.30    | <b>21,604.90</b>  |
| 2                                                           | Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials. All kinds of soil                                                                                                                                                                                                                                               | 41.00    | cum  | 126.80    | <b>5,198.80</b>   |
| 3                                                           | Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.                                                                                                                                        | 21.00    | cum  | 196.00    | <b>4,116.00</b>   |
| 4                                                           | Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil                                                                                                                                                                                                                                              | 21.00    | cum  | 126.80    | <b>2,662.80</b>   |
| 5                                                           | Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.                                                                                                                                                                                                                                                       | 9.00     | cum  | 2,123.75  | <b>19,113.75</b>  |
| 6                                                           | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)                                                                          | 2.00     | cum  | 7,294.70  | <b>14,589.40</b>  |
| 7                                                           | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)                                                                          | 6.00     | cum  | 8,340.85  | <b>50,045.10</b>  |
| 8                                                           | Providing and laying in position specified grade of reinforced cement concrete,excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)                                 | 12.00    | Cum  | 10,852.95 | <b>130,235.40</b> |
| 9                                                           | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars of grade Fe-500D or more.                                                                                                                                                                        | 1,440.00 | K.G  | 107.85    | <b>155,304.00</b> |
| 10                                                          | Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete                                                                                                                                                                                                               | 89.00    | Sqm  | 307.95    | <b>27,407.55</b>  |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |            |          |            |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|----------|------------|
| 11 | CEMENT PLASTER (IN COARSE SAND)12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 50.00  | sqm        | 307.25   | 15,362.50  |
| 12 | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.                                                                                                                                                                                                                   | 41.00  | sqm        | 4,481.30 | 183,733.30 |
| 13 | Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.Granite work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 124.00 | RM         | 510.95   | 63,357.80  |
| 14 | Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern. | 22.00  | SQM        | 1,045.65 | 23,004.30  |
| 15 | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc.,including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts , bolts and rubber gasket complete, i/c fixing 210the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).                                                         | 354.00 | K.G        | 772.40   | 273,429.60 |
| 16 | Providing & laying Selection no. 1 doob grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same maintenance for 30 days or more till the grass establish properly,as per direction of officer in charge.                                                                                                                                                                                                                                                                                                                                                                        | 200.00 | Sqm        | 87.50    | 17,500.00  |
| 17 | Providing and stacking of Duranta Golden, having ht.15 to 20 cm bushy shape with fresh and healthy leaves in 15 cm size of Earthen Pot/Plastic Pot & as per direction of the officer-in-charge..                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 300.00 | Each Plant | 21.26    | 6,378.00   |
| 18 | Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserveiceable material's as per direction of officer in charge (excluding cost of plant & water) Hedge Plant /Ground cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300.00 | Each Plant | 2.45     | 735.00     |
| 19 | Engaging of Beldar or Coolie for any types of works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20.00  | Each       |          |            |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |     |            |                   |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|------------|-------------------|
|                                      | Related to Flag Mast & its permises Area as per the directions of Engineer-in-charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |     | 1,047.00   | <b>20,940.00</b>  |
| 20                                   | Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20.00 | CUM | 263.95     | <b>5,279.00</b>   |
| 21                                   | Providing and fixing Inauguration board made by Stainless Steel 304 Grade 1.60mm $\pm$ 0.15mm thick with matter engraved (All Types of Matter,Letter, Design for the plaque including colour of letter, logos etc shall be provided ) fixing to the SS Panel with necessary supports SS screws and covering the all-around Stainless Steel.The work includes cost of all materials, labour, transportation etc complete as per the detailed Specification and direction of Engineer in charge. (Note -Before Fixing the Size of Board ,Design & letter finalize After Prior Approval of Aiims ,Bhubaneswar )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.00  | Sqm | 11,000.00  | <b>11,000.00</b>  |
| <b>PART B FLAG INSTALLATION WORK</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |     |            |                   |
| 22                                   | Providing of 30.50mtr flag mast with technical specifications of Make: Bajaj/Philips/ Valmont/equivalent AIIMS,BBSR approved make with Design standard: Technical Report no.7 High Masts for lighting of ILE, Basic wind speed 62.5m/sec as per IS: 875 ( Part-3 ), design life of 25 years with terrain catagory-2 and topography: flat, No of sections:3, material ( Shaft or Gussets etc ) of High Tensile Steel Sheets conforming BS EN 10025 S355 grade, finishing with hot dip galvanization conforming BS EN ISO 1461, Base and top dia ( A/F ) @ 610mm and 150mm respectively( Tolerance -0 / +3 mm ), with plate thickness ( Top-3mm, middle-4mm, Bottom-5mm ), High mast natural frequency calculation conforming SABS 0225 with flange / door stiffener as per IS-2062. The cross section of mast standard shall be 20 sided polygonal shaft along with opening and door at base as per BS EN ISO 1461 ( 1500 x 400 mm ). The diameter of base plate shall be 840mm and thickness shall be 30mm having 16 nos 36mm hole to suitable for M30 x 850Lg anchor bolt etc complete with 14nos stiffner plates and 2nos lifting log as per direction of Engineer-in-Charge. The shaft shall be PU painted (white in colour ) with a base coat of Etch primer and primer. It shall also include FRP decorative dome on top of the Flag Mast as per direction of EIC.(Note -Before Fixing the Design finalize After Prior Approval of Aiims,Bhubaneswar ) | 1.00  | Nos | 949,000.00 | <b>949,000.00</b> |
| 23                                   | Supplying of system for raising lowering of flag which shall have double drum winch, SWL 70kg ( SGDD 30/6 PB: Integral motor with motor with capacity 2HP, no of speed 6/4 pole single speed with mechanical tripping facility. It shall have the wire rope SS galvanised @ 6mm dia for flag and for balance weights and integral power tool for raising and lower the flag. Suitable feeder pillar/control box shall be provided for reversing operation of power tool motor including LED aviation system with 3C x 2.5 sqmm 3 core copper armoured cable and control the aviation lamp and flood light etc complete as per direction of EIC. Note: The LED aviation light shall be paid separately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.00  | SET | 334,408.00 | <b>334,408.00</b> |
| 24                                   | Supply and fixing of foundation bolts conforming TS 600N/sqmm, M30x850mm length, YS- 405N/sqmm,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.00  | SET | 34,000.00  | <b>34,000.00</b>  |

|    |                                                                                                                                                                                                                                                                                                                                                                                         |                   |       |           |                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|-----------|---------------------|
|    | manufactured from special steel along with nuts, washers, anchor plates and templates etc complete as per design standard or direction of EIC.                                                                                                                                                                                                                                          |                   |       |           |                     |
| 25 | Supply of system for LED Aviation light of Bajaj/philips/Valmont make or equivalent etc complete.                                                                                                                                                                                                                                                                                       | 2.00              | Nos   | 17,500.00 | <b>35,000.00</b>    |
| 26 | Supply of LED Floodlight type @350 Watt LED of Bajaj or Philips or Valmont make etc complete.                                                                                                                                                                                                                                                                                           | 2.00              | Nos   | 17,000.00 | <b>34,000.00</b>    |
| 27 | Supply of 5mtr high hot dip galvanised octagonal pole along with the foundation bolts manufactured from special steel along with nuts, washer etc complete with required accessories and copper cable of 3C x 2.5 sqmm for the wiring of luminaries etc complete.                                                                                                                       | 2.00              | Nos   | 20,000.00 | <b>40,000.00</b>    |
| 28 | Errection of the total flagmast system (Flag Mast, Flag and flood light etc ) with the help of suitable equipments and assembly of operating system as per design standard or direction of EIC.                                                                                                                                                                                         | 1.00              | job   | 82,000.00 | <b>82,000.00</b>    |
| 29 | Supplying of Indian National Flag of size: 20' x30' with 100% knitted polyester with reinforced super strong nylon webbing on all three sides and rope/toggle sleeve etc complete as per relevant IS code.                                                                                                                                                                              | 10.00             | Each  | 44,000.00 | <b>440,000.00</b>   |
| 30 | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required. GI wire should come from the base of foundation of 30.5 mtr high mast and 5 meter GI pole and connect to different parts of panel and pole                                                                                                                                              | 50.00             | RM    | 55.00     | <b>2,750.00</b>     |
| 31 | Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm and welding and corrosion resistance black paint)                                       | 40.00             | RM    | 170.00    | <b>6,800.00</b>     |
| 32 | Providing Structural designing Basic Wind Speed 250 Km/Hr (including carrying out of SBC test ) , detailing, architectural and structural drawings for the foundation of flag mast along with certification from authorized Structural Engineer/Consultant from IIT/NIT/CET Govt. Institution or Organization. The same shall be provided to AIIMS,BBSR prior to the start of the work. | 1.00              | job   | 30,089.55 | <b>30,089.55</b>    |
| 33 | Supply & laying of 25 sq mm 4 core PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade, Laying of Cable in Suitable size DWC HDPE pipe ISI marked along with all accessories, Complete as required                                                                                                                                                          | 150.00            | Meter | 299.45    | <b>44,917.50</b>    |
| 34 | Supplying and fixing 63A rating, 240 V, 10 kA, "C" curve, miniature TPN circuit breaker suitable for inductive load with connections, testing and commissioning etc. as required.                                                                                                                                                                                                       | 1.00              | Each  | 2,648.22  | <b>2,648.22</b>     |
| 35 | Earthing with G.I. earth pipe 4.5-metre-long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.                                                                                                                                                             | 1.00              | Each  | 7,361.81  | <b>7,361.81</b>     |
|    |                                                                                                                                                                                                                                                                                                                                                                                         | <b>Total Rs.</b>  |       |           | <b>30,93,972.28</b> |
|    |                                                                                                                                                                                                                                                                                                                                                                                         | <b>Or Say Rs.</b> |       |           | <b>30,93,972.00</b> |

**PERFORMA FOR QUOTING RATES**

|                                                                                                                                                                                                                    |                                                                                                                                                                                                    |                             |                                                         |                     |                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------|---------------------|-------------------------|
| <b>Name of Work: - Design, Supply, Installation &amp; Commissioning of 30.50mtr (100 feet) High National Flag Mast &amp; other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.</b> |                                                                                                                                                                                                    |                             |                                                         |                     |                         |
| <b>E NIT No- AIIMS/BBSR/Engg./ 029 /2024-25</b>                                                                                                                                                                    |                                                                                                                                                                                                    |                             |                                                         |                     |                         |
| <b>ESTIMATE COST PUT TO TENDER- Rs 30,93,972/-</b>                                                                                                                                                                 |                                                                                                                                                                                                    |                             |                                                         |                     |                         |
| <b>NAME OF CONTRACTOR-</b>                                                                                                                                                                                         |                                                                                                                                                                                                    |                             |                                                         |                     |                         |
| <b>Sr. No.</b>                                                                                                                                                                                                     | <b>Name of component</b>                                                                                                                                                                           | <b>Estimated cost (Rs.)</b> | <b>Percentage above/ below the Total Estimated Cost</b> | <b>% in figures</b> | <b>Total Cost (Rs.)</b> |
| <b>1.</b>                                                                                                                                                                                                          | <b>Design, Supply, Installation &amp; Commissioning of 30.50mtr (100 feet) High National Flag Mast &amp; other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.</b> | <b>Rs 30,93,972/-</b>       |                                                         |                     |                         |
| <b>Contractor's Quoted Rate in words</b>                                                                                                                                                                           |                                                                                                                                                                                                    |                             |                                                         |                     |                         |

**NOTE: -**

1. LMR = To be read as Local Market Rate.
2. The Bidder must submit Financial Bid in On-Line Mode.
3. I/We have gone through the terms & conditions as stipulated in the tender and confirm to accept and abide the same before quoting the rate.
4. No other charges would be payable by the Institute
5. Quantity mentioned above is tentative, it may increase or decrease as per site requirement.
6. Contractor has to bring samples as per above preferred brands only and Engineer-In-Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.
7. In case of non-availability of material of approved make, prior approval from Engineer-In-Charge shall be obtained for other make.
8. The rates quoted should be inclusive of GST as applicable.

I, the contractor certify that I am filling this template after understanding all the items of Schedule of Quantity of e NIT Page No- **31 to 34**.

Name: \_\_\_\_\_  
Business Address: \_\_\_\_\_  
Date : \_\_\_\_\_  
Place: Bhubaneswar

Signature of the Bidder: - \_\_\_\_\_  
Seal of the Bidder \_\_\_\_\_

**DECLARATIONS**  
**(TO BE GIVEN BY THE TENDERERS)**

**It is to certify that :-**

(a) I /We have gone through GCC of CPWD up to latest correction as available on website of CPWD/ <https://eprocure.gov.in/eprocure/app> / [www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in) or in the office of Superintendent Engineer and I/We agree with the terms and conditions of it and understood that it will form part of the agreement.

(b) “I, .....S/o Shri ..... resident of ..... hereby certify that none of my Relative(s) is/are employed in AIIMS Civil Zone, Odisha. In case at any stage, it is found that the information given by me is false/incorrect, AIIMS shall have the absolute right to take any action as deemed fit without any prior intimation to me”.

(c) “I/We undertake and confirm that eligible similar Work(s) has/have not been got executed through another contractor on back to back basis. Further, it is stated that, if such a violation comes to the notice of Department, than I/We shall be debarred for bidding in AIIMS in future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before date of start of work, the Executive Engineer (Civil) shall be free to forfeit the entire amount of Performance Guarantee”.

**Date :** \_\_\_\_\_

**Signature of the Tenderer**

**NOTE** : - (To be certified by all the partners in case of partnership firms, by all the directors in case of companies).

**FORM FOR DETAILED INFORMATION BY BIDDER**

|                                                                                                            |   |
|------------------------------------------------------------------------------------------------------------|---|
| Name of Firm/Contractor/Supplier                                                                           | : |
| Complete Address and Telephone Number                                                                      | : |
| Name of Proprietor/Partner/Managing Director/Director                                                      | : |
| Phone Number                                                                                               | : |
| Mobile Number                                                                                              | : |
| e-Mail ID                                                                                                  | : |
| Name and address of service center nearby Bhubaneswar                                                      | : |
| Whether the firm is a registered Firm<br>(Yes/No. Attach Copy of Certificate)                              | : |
| PAN Number.<br>(enclose the attested copy of PAN Card)                                                     | : |
| Service Tax Number.<br>(enclose the attested copy of VAT Certificate)                                      | : |
| GST Number<br>(enclose the attested copy of VAT Certificate)                                               | : |
| Whether the firm has Uploaded the Bank Draft/Pay Order/<br>Banker's Cheque of Earnest Money Deposit (EMD). | : |
| EPF No.<br>(Enclose the attested copy of EPF Registration Certificate)                                     | : |
| ESI Code.                                                                                                  | : |
| Any other information, if necessary.                                                                       | : |

(Authorized Signature of the Bidder with Seal)

**FORM FOR DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST 07 (SEVEN) YEAR**

| Ser. No. | Name of Work/ Project | Location | Owner or Sponsoring Organization | Cost of Work in Lakhs | Date of Commencement as per Contract | Stipulated date of Completion | Actual date of Completion | Litigation/ Arbitration pending/ In progress with details | Remarks |
|----------|-----------------------|----------|----------------------------------|-----------------------|--------------------------------------|-------------------------------|---------------------------|-----------------------------------------------------------|---------|
| (a)      | (b)                   | (c)      | (d)                              | (e)                   | (f)                                  | (g)                           | (h)                       | (j)                                                       | (k)     |
| 1.       |                       |          |                                  |                       |                                      |                               |                           |                                                           |         |
| 2.       |                       |          |                                  |                       |                                      |                               |                           |                                                           |         |
| 3.       |                       |          |                                  |                       |                                      |                               |                           |                                                           |         |
| 4.       |                       |          |                                  |                       |                                      |                               |                           |                                                           |         |
| 5.       |                       |          |                                  |                       |                                      |                               |                           |                                                           |         |
| 6.       |                       |          |                                  |                       |                                      |                               |                           |                                                           |         |
| 7.       |                       |          |                                  |                       |                                      |                               |                           |                                                           |         |

(Authorized Signature of the Bidder with Seal)

**AFFIDAVIT**

**(To be Submitted on Notarized Non Judicial Stamp Paper of Rs 10/- or above)**

**e-Tender for the Work of “Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.”**

**To be submitted online by :**

- (a) Time and date of online Opening of Technical Bids. : **16/12/2024 at 1600 Hours.**
- (b) Time and date of opening of Online Financial Bids. : **To be intimated later through website.**
- T E N D E R**

I/We have read and examined the notice inviting tender, schedule along with Appendices 'A' to 'F' as per Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special Conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

If I/We, fail to furnish the prescribed Performance Guarantee within prescribed period, I/We agree that the said Executive Director, AIIMS, Bhubaneswar or his successors, in office shall without prejudice to any other right or remedy, be at liberty to debar me for 01 (One) year. Further, if I/We fail to commence work as specified, I/We agree that Executive Director, AIIMS, Bhubaneswar or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to suspend me for one year. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in the tender form. Further, I/We agree that in case of non-submission of Performance Guarantee as aforesaid, I/We shall be debarred for participation for one year in the tendering process of the work and EMD will be forfeited.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of AIIMS, Bhubaneswar, then I/We shall be debarred for tendering in AIIMS, Bhubaneswar in future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before date of start of work, the Administrative Officer shall be free to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: \* \_\_\_\_\_

Signature of Contractor  
with full Postal Address

Witness: \*

**Address: \***  
**(\* To be filled in by the Contractor.)**

Occupation: \*

**AFFIDAVIT**

***(To be Submitted on Notarized Non Judicial Stamp Paper of Rs 10/- or above)***

I/We hereby certify that, the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institute on any account.

I/We also certify that, Firm will supply the item(s) as per the specification given by Institution and also abide all the Terms & Conditions stipulated in Tender.

I/We also certify that, the information given in Bid is true and correct in all aspects and in any case at a later date, it is found that any details provided are false and incorrect, any contract given to the concerned firm or participation may be summarily terminated at any state, the firm will be blacklisted and Institute may imposed any action as per e-NIT Rules.

Business Address :-

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Place : \_\_\_\_\_

Name :

(Signature of Bidder with Firm's Seal)

Dated : \_\_\_\_\_

**FORM OF PERFORMANCE SECURITY (GUARANTEE)**

1. In consideration of the Executive Director, AIIMS, Bhubaneswar (hereinafter called “ the Government “) having offered to accept the terms and conditions of the proposed agreement between \_\_\_\_\_ and \_\_\_\_\_ (hereinafter called “ the said Contractor(s)”) for the work \_\_\_\_\_ (hereinafter called “ the said agreement”) having agreed to production of a irrevocable Bank Guarantee for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) as a security/ guarantee from the contractor(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement.

I/We \_\_\_\_\_ (hereinafter referred to as Bank) hereby (Indicate the name of the Bank) undertake to pay to the Government an amount not exceeding Rs. \_\_\_\_\_ (Rupees only) on demand by Government .

2. I/We \_\_\_\_\_ do hereby undertake to pay the (Indicate the name of the Bank) amount due and payable under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs . \_\_\_\_\_ (Rupees \_\_\_\_\_ only).

3. I/We the said bank undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

4. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor (s) shall have no claim against us for making such payment.

5. I/ We \_\_\_\_\_ further agree that the guarantee herein contained (Indicate the name of Bank) shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till Engineer-in- charge on behalf of the Government, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor (s) accordingly discharges this guarantee.

6. I/We \_\_\_\_\_ further agree with the Government that the (Indicate the name of Bank) Government shall have the fullest liberty without our consent, and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor (s) and to forebear or enforce any of the terms and conditions relating to the said agreement & we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said contractor (s) or for any forbearance, act of omission on that part of the Government or any indulgence by the Government to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would , but for this provision, have effect of so relieving us.

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor (s).

8. We \_\_\_\_\_ lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.

9. This Guarantee shall valid up to \_\_\_\_\_ unless extended on demand by Government, notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ for \_\_\_\_\_

(Indicate the name of Bank)

**AGREEMENT** (Specimen)

**(To be Submitted on Non Judicial Stamp Paper of Rs 100/- or above)**

This Agreement is made at **Bhubaneswar** on this ..... (day) of .....(Month) 20 \_\_\_\_.

**BETWEEN**

Executive Director, AIIMS, Bhubaneswar represented through Executive Engineer(civil), AIIMS, BHUBANESWAR (hereinafter referred as the) (Address) "**Principal/Owner**", which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

**AND**

..... (Name and Address of the Individual/firm/Company) through ..... (Hereinafter referred to as the (Details of duly authorized signatory) "**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

**Preamble**

WHEREAS, the Principal/Owner has floated the Tender (e-NIT No. **AIIMS/BBSR/Engg./ 029 /2024-25** (herein after refer red to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for "**Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**" hereinafter referred to as the "**Contract**".

**AND** WHEREAS the Principal/Owner values full compliance with all relevant laws of the Land, Rules & Regulations, Economic use of resources and of fairness/ transparency in its relation with its Bidder(s) and Contractor(s).

**AND** WHEREAS to meet the purpose afore said both the parties have agreed to enter to this Agreement (hereinafter referred to as "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

The Tendered Value which has been accepted by Competent Authority for "**Design, Supply, Installation & Commissioning of 30.50mtr (100 feet) High National Flag Mast & other Development work in front of lawn area of Hospital Complex, AIIMS, Bhubaneswar.**"

"is Rs \_\_\_\_\_/- (Rupees \_\_\_\_\_ only).

NOW, THEREFORE, inconsideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under: -

**Article - 1 : Commitment of the Principal/Owner.**

1. The Principal/Owner commit itself to take all measures necessary to prevent corruption and to observe the following principles:

- (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

- (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
- (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/Prevention of Corruption Act, 1988 (P C Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

## **Article - 2 : Commitment of the Bidder(s)/Contractor(s)**

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standard and makes, and report to the Government/Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
2. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution: -
- (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind what so ever during the Tender process or during the execution of the Contract.
- (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
- (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- (d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
- (e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or**

**to influence the procurement process to the detriment of the Government interests.**

5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person, his/her reputation or property to influence their participation in the tendering process).

### **Article - 3 : Consequences of Breach.**

*Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right :-*

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article-2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may before vigor for a limited period as decided by the Principal/Owner.**

2. **Forfeiture of EMD/Performance Guarantee/Security Deposit :** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article-3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Performance Guarantee and Security Deposit of the Bidder/Contractor.

1. **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

### **Article - 4 : Previous Transgression.**

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender processor action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.

3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/ Owner may, at its own discretion, revoke the exclusion prematurely.

### **Article - 5 : Equal Treatment of all Bidders/Contractors/Sub-contractors.**

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Pact. The Bidder/Contractor shall be responsible for any violation(s) of the

principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.

2. The Principal/Owner will enter in to Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

#### **Article - 6 : Duration of the Pact.**

1. This Pact begins when both the parties have legally sign edit. It expires for the Contractor/Vendor 12 months after the completion of work under the contractor till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.
2. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

#### **Article – 7: Term & Conditions of Payment.**

- a. 100% payment will be released after due certification of Final Bill by Engineering-in-charge or his representative after completion of work. RA bill will be released on request basis.
- b. Security Deposit 2.5% will be deducted from the bills of the Contractor.
- c. The Income Tax as application shall be deducted from the bills unless exempted by the Income Tax Department.
- e. Labour CESS @ 01% will be deducted from the Bill.
- f. If water is used from the AIIMS, Bhubaneswar, then water charges will be deducted @1% of the bill amount.
- f. Electrical charges as per actual meter reading shall be deducted from the bill. If connection is taken directly without installation of meter with prior permission from Executive Engineer (Electrical), then amount as per the usage shall be deducted from the gross bill amount as suggested by Executive Engineer (Electrical).
- g. All the work shall be completed within **03(Three) Months** from the date of issue of work Order by the Institute from Date-\_\_\_\_to Date-\_\_\_\_. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 01% per month of delay to be computed on per day basis based on quantum of damage suffered due to stated delay on the part of the contractor (as per GCC – 2023) shall be levied subject to maximum of 10% of the accepted tendered valued of the work.
- h. It will be mandatory for the bidders to indicate their bank account number and over relevant e-payment details so that payment could be made through RTGS/Other mechanism.
- i. GST and other taxes as applicable shall be recovered/paid from the contractor's bill as per Govt. of India/AIIMS Rules.

#### **Article - 8 : Other Provisions.**

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the **Bhubaneswar** of the Principal/Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4. Should one or several provisions of this Pact turnout to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Agreement/Pact or interpretation thereof shall not be subject to arbitration.**

**Article - 9 : LEGAL AND PRIOR RIGHTS.**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Pact.

IN WITNESS WHEREOF the parties have signed and executed this Pact at the place and date first above mentioned in the presence of following witnesses: -

.....  
(For and on behalf of Principal/Owner)

.....  
(For and on behalf of Bidder/Contractor)

WITNESSES:

.....  
(Signature, Name and address)

.....  
(Signature, Name and address)

Dated :

Dated :

Place : Bhubaneswar

Place : Bhubaneswar

## ***E-TENDERING INSTRUCTIONS TO BIDDERS***

### **Instructions for Online Bid Submission:**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

### **REGISTRATION ON CPP PORTAL:**

Bidders are required to enrol on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.

As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify /nCode / eMudhra etc.), with their profile.

Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.

Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

### **SEARCHING FOR TENDER ENQUIRY DOCUMENT**

There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders” folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.

The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

## **PREPARATION OF BIDS**

Bidder should take into account any corrigendum published on the tender document before submitting their bids.

Please go through the tender advertisement and the Tender Enquiry Document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

Bidder, in advance, should get ready the documents/BoQ to be uploaded as indicated in the Tender Enquiry Document and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Scanned documents to be uploaded may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document and resulting in fast uploading. It is the responsibility of the bidder to ensure that uploaded scanned documents are legible.

To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents has been provided to the bidders. Bidders can use “My Space” or „“Other Important Documents”” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS**

### **Submission of Bids**

Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Tender Enquiry document.

Bidder has to select the payment option as “offline” to pay the Bid Security/ EMD as applicable and enter details of the instrument.

Bidder should prepare the Bid Security/EMD as per the instructions specified in the Tender Enquiry Document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the Tender Enquiry Document. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

The server time (which is displayed on the bidders’ dashboard) will be considered as the

standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

The uploaded Tender/Bid shall become readable only after the tender opening by the authorized bid openers.

Upon the successful and timely submission of bids (ie after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

## **ASSISTANCE TO BIDDERS**

Any queries relating to the Tender Enquiry Document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the NIT.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk