

**OFFICE OF THE
DISTRICT MAGISTRATE & COLLECTOR**

SOUTH 24 PARGANAS

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Memo No: 72/ NZ/INFRA/N-67/GS MELA-23

Dated: 07.09.22

NOTICE INVITING ON LINE TENDER (e-TENDER) NO: 67 of 22-23 of G.S.Mela 2023

Name of Scheme: **Placing of structure shed for Staff DORMITORY in hanger type pattern (near Bamunkhali School) (100' x 26') inclusive Branding & all taxes (1 no Hanger x 2600 sq. ft. x 7 days) at Bamunkhali Point near Bamunkhali School, as per direction. for ensuing G. S. Mela- 2023 under Sagar P.S.**

SCHEDULE OF IMPORTANT DATES OF BIDS

PARTICULAR	DATE & TIME
Date of Publication of e-NIT	07.09.22
Document download start date & time	08.09.22 from 9.00 am
Document download end date & time	21.09.22 up-to 9.00 am
Pre-bid meeting in the office chamber of the Nazareth Deputy Collector, South 24 Parganas	20.09.22 at 4.00 pm
Bid submission start date & time	08.09.22 at 9.00 am to 21.09.22 at 2.00 pm
Last date & time of online submission of Technical Bid and Financial Bid.	21.09.22 at 2.00 pm
Submitted Hard Copy (original documents such as Bid Security [EMD] and Affidavit)	23.09.22 at 2.00 pm
Date & Time of opening of Technical Bid in the Office of the Nazareth Deputy Collector, Alipore	26.09.22 at 2.00 pm
Date & Time of opening of Financial Bid in the office of the Nazareth Deputy Collector., Alipore	28.09.22 at 2.00 pm
Validity of bid	120 days
Completion Period of the work	30 days

Additional District Magistrate (Infrastructure), South 24 Parganas on behalf of the **District Magistrate, South 24 Parganas** invites online **percentage rate** tender (e-Tender) in **TWO BID SYSTEM** for the works from reliable, resourceful, bona-fide and experienced firms / companies / contractors having requisite financial capability and sufficient relevant work experience. The details are given below:

Name of work	Placing of structure shed for Staff DORMITORY in hanger type pattern (near Bamunkhali School) (100' x 26') inclusive Branding & all taxes (1 no Hanger x 2600 sq. ft. x 7 days) at Bamunkhali Point near Bamunkhali School, as per direction. for ensuing G. S. Mela- 2023 under Sagar P.S.
Location of Work	Sagar PS
Scope of Work	Bamunkhali
Estimated Cost of work	Rs. 2550000.00 (Rupees twenty five lakh & fifty thousand) only.
Contract Period	30days
Security Deposit against work	3 % of Contract Value
Bid Inviting Authority	Additional District Magistrate (Infrastructure), South 24 Parganas
<p>TECHNICAL BID</p> <p><i>Eligibility Criteria for Qualification of the bidders in the Technical Bid</i></p> <p>CREDENTIAL CERTIFICATE in the form of completion certificate issued by the Executive Engineer or equivalent or competent authority of a state / central government, State/ Central Government undertaking, Statutory / autonomous bodies constituted under the Central / State Statute, on the executed value of completed work will be taken as credential. Credential should be in the name & style of the intending bidder only. Completion certificate should mention the work order no. & date, Name of the work, work order amount, payment made, completion period & completed satisfactorily or not etc.</p> <p>TURN OVER: Audited Balance Sheet shall have to be produced in support of the turn over claim for the last 3 consecutive Financial years.</p> <p>NOTE: Original documents will be verified only in case of doubt and complaint</p> <p>IMPORTANT: If the bidders do not upload these requisite documents in the e-tender portal, they will summarily be rejected during evaluation. If anyone found to be</p>	<p>CREDENTIAL:</p> <ol style="list-style-type: none"> CREDENTIAL/EXPERIENCE: Intending bidders shall submit credential Certificate of completion of similar nature of work executed in earlier Ganga Sagar Mela or any such Mega Event in Riverine Areas having minimum value of 40% of the estimated amount put to tender during 5 (five) years prior to the date of issue of the tender notice; <p>OR</p> <p>Intending bidders should produce credentials of 2(two) similar nature of completed works executed in earlier Ganga Sagar Mela or any such Mega Event in Riverine Areas, each having value of 30% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice;</p> <ol style="list-style-type: none"> TURNOVER: <u>Average Audited Annual Turn Over</u> for the last 3 (Three) consecutive Financial Years should be equal to or more than 60% of the total estimated amount put to tender. The turnover will be indexed at the rate of 8% for a completed year. NON STATUTORY DOCUMENTS: <ol style="list-style-type: none"> Valid Trade License Income Tax return for the latest financial year GST Registration certificate Professional Tax Return for the latest financial year Audited Balance Sheets of last 3 Financial years Pan Card photo copy. OTHER DOCUMENTS: <ol style="list-style-type: none"> Declaration in an affidavit that no litigation is pending against the Firm/company/contractor or not black listed Document to prove ownership / lease hold of plant & machinery as prescribed by the authority in the tender

<p><i>submitting false or manufactured credential, then the bidder may be black listed or prevented from participation.</i></p>	<p>c. Power of Attorney if any d. Labour Cooperative Societies & Unemployed Engineers' Co-Operative Societies should submit proof of their registration, validity to participate in this tender and EMD exemption if allowed by the State.</p>
<p>Earnest Money Deposit :</p>	<p>Necessary Earnest Money [2% of Tender amount] will be deposited by the bidder electronically: online – through his net banking enabled bank account, maintained at any bank or: offline – through any bank by generating NEFT/ RTGS challan from the e-tendering portal [http://wbtenders.gov.in]. Intending Bidder will get the Beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code and e-Proc Ref No. Intending bidder who wants to transfer EMD through NEFT/RTGS must read the instruction of the Challan generated from E-Procurement site. Bidders are also advised to submit EMD of their bid, at least 3 working days before the bid submission closing date as it requires time for processing of Payment of EMD.</p> <p>(Three State Government Enterprises viz. "Mackintosh Burn Limited.", "Westinghouse Saxby Farmer Limited", and "Britannia Engineering Limited", are exempted from deposit of earnest money for participation in tender vide Order No. 430(3)-W(C)/1M-208/15 dated 31.08.2015 of the Joint Secretary, P.W. Department, Works Branch, Govt. of West Bengal subject to the condition that they will furnish Security Deposit, if selected in the tender.)</p>
<p>Bid Document</p>	<p>Bid Document is available in the e-Tendering portal of Govt. of West Bengal, http://wbtenders.gov.in Bidders who have registered with National Informatics Centre (NIC) can participate in the tender. Interested bidders shall register with NIC in advance. Document requisition shall be done as per instruction given in the Information to Bidders (ITB).</p>
<p>Technical Bid Evaluation</p>	<p>The Technical Bid will be evaluated by the tender evaluation committee chaired by Additional District Magistrate (Infrastructure), South 24 Parganas. Original documents will have to be produced by the bidders as and when asked by the bid evaluation authority.</p> <p>Only the technically qualified bidders can advance for Financial bid.</p>
<p>Date and time of opening of Financial Bid submitted on line of only the technically qualified bidders</p>	<p>On or after 28.09.22</p>
<p>Financial Bid</p>	<p>Percentage Rate shall be quoted in the Financial Bid.</p>
<p>Validity of Bid</p>	<p>120 days</p>
<p>E-Tender registration and bidding</p>	<p><u>ONLINE BIDS:</u> The bidders interested to submit the bid Online shall get registered and get a digital signature as per the procedure described below:</p> <ul style="list-style-type: none"> • Agencies/Bidders who are interested in participating e-tenders are requested to contact the representatives of NIC for registration, computer setting and clarification on e-tendering. • Online Tenders can be submitted by logging in the e-Tendering portal of Govt. of West Bengal i.e.

	<p>http://wbtenders.gov.in</p> <ul style="list-style-type: none"> • ONLINE BID SUBMISSION: The Bidders are required to submit the Technical and Financial Bid documents ONLINE i.e. uploading of the documents complete in all respect by following the Online Bid submission procedure.
Important Instructions	<ul style="list-style-type: none"> • Names of the technically qualified bidders as per the bid criteria after verification with original [in case of doubt and complaint]& evaluation will be displayed in the e-portal, this office notice board and official website by the tender evaluation committee. • The financial bid documents of the technically qualified bidders will only be opened. • List of Financial comparison chart of bidders will be published on the next day after opening. Bid inviting authority of South 24 Parganas reserves the right to reject or cancel any or all pre-qualification documents and bid document without assigning any reasons whatsoever. • All duties, taxes, royalties, cess, including 1% cess under W.B. Building and other Construction Workers (Regulation of Employments & Condition of Service) Act, 1996], toll, taxes and other levies payable by the Contractor under the Contract to the State / Central Government for any other cause, shall be included in the rates, prices and total Bid price submitted by the bidder. • The intending bidders are requested to inspect the work site before quoting their rates. • Each Bidder shall submit maximum two Bids in each NleT. A Bidder who submits more than two Bids as individual or Partner for one NleT will cause the proposals with the Bidder's participation to be disqualified.

INFORMATION TO THE BIDDERS (ITB)

Download of Tender

Tender to be downloaded only from the e-Tendering portal of Govt. of West Bengal i.e. <http://wbtenders.gov.in> The tender will be submitted in two bid system i.e. **Technical bid & Financial bid** only through online mode.

Online Bid submission procedure

Registration of Contractor: Agencies/Bidders who are interested in participating shall have to get enrolled & registered with the Government e-Procurement system, through logging on to <https://etender.wb.nic.in>.

Digital Signature certificate (DSC): Each contractor is required to obtain a class-II or Class-III Digital Signature Certificate (DSC) having Signing and Encryption certificate for submission of tenders, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount or any service provide as may be allowed by the Finance Department, Govt. of West Bengal.

Tender Download: The contractor can search & download NIT & Tender Documents electronically from computer once he logs in to the e-Tendering portal <http://wbtenders.gov.in> using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

Submission of Tenders: Tenders are to be submitted through online to the stipulated website in two folders at a time, one in Technical Bid & the other in Financial Bid before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded duly **digitally signed**. The documents will get encrypted (transformed into non readable formats).

Submission of Earnest Money Deposit: The earnest money deposit has to be made and submitted following the clauses as mentioned in the bid document.

A. Technical Bid:

The Technical proposal should contain scanned copies of the following (**all in PDF file**) in **2 (two)** covers (folders),

Cover A-1 >Statutory Cover file Containing

NIT (Properly upload the same Digitally Signed).

Cover A-2 >Non- Statutory Cover (Mandatory Documents)

All the documents as given under **TECHNICAL BID**

Note: Failure of submission of any of the above mentioned documents (as applicable) i.e. statutory and non-statutory documents will render the tender liable to be rejected.

B. Financial Bid:

The financial proposal should contain the following documents in **one cover** (folder):

The contractor shall quote the **percentage rate** (Offering percentage **Above/Below/At par**) through online mode only in the space marked for quoting rate in the **Bill of Quantities (BOQ)**. Only downloaded copies of the above documents, digitally signed by the contractor are to be uploaded (Excel file).

PAYMENT:

Payment against the bill claim subjected to verification by the competent authority will be made on availability of fund.

EMD of the successful bidder shall be adjusted against the bill claim while making payments.

The Payment of RA as well as final bill for any work will be made according to the availability of fund and no financial claim in case of any delay in payment will be entertained. No bidder can hamper the progress of work by stating non-payment of bills or non-receipts of payment. The financial capabilities of the bidder are evaluated through his annual turnover and no bidder can cite the non-payment as a reason for delayed completion or slow progress of work. Authority may impose penalty for delay in completion of work.

The mode of Payment of the bills are given below:

- Upto 5 lakhs of Estimated amount: No RA bill will be entertained.
- Upto 10 lakhs but not less than 5 lakhs: Only one RA bill will be entertained.
- Upto 50 lakhs but not less than 10 lakhs of Estimated amount: Maximum three bills including final bill.
- More than 50 lakhs of Estimated amount: Maximum four bills including final bill.
- Moreover, payment may be made after complete of each stage, in case of road: GSB, Pothole, in case of building: Foundation of plinth level, lintel, in case of Culvert/bridge: Foundation upto GL, GL to slab, then rod casting.

Security Deposit money will be returned after three months in case of culverts, Building works and Electrical works, six months in case of Earth work, twelve months in case of Bituminous work/metal work, Six months in the case of a road work for other than Bituminous work if no defect is detected in the mean time. For other works, authority will fix the time line.

1% Cess under W.B. Building and other Construction workers (Regulation of Employment & Condition of Service) Welfare Cess Act, 1996 will be deducted from the running bills.

Other Terms and conditions: -

1. The credentials submitted by the bidders shall invariably be verified from competent authority through formal/informal ways. If the bidders are found producing manufactured credentials, then appropriate action for black listing/prohibition of participation / criminal proceeding shall be initiated by the Tender inviting authority.
2. Sub-contracting by the successful bidder will not be allowed. Tender Committee shall take appropriate action against the willful defaulter.
3. The Additional District Magistrate (Infrastructure) reserves the right to terminate the contract by giving seven days notice to the agency in case of any deviation from the norms or any non-compliance.
4. The entire work shall be completed within the time frame given in the work order. Any deviation in work completion period will invite penalty of 1-5% on the value of pending work. The Tender

- Inviting Authority is empowered to impose such penalty by obtaining a report from engineers.
5. As the Gangasagar Mela-2023 is an event where lakhs of Pilgrims will assemble on fixed date, time extension on completion of work shall not be given in any circumstances.
 6. Tender Inviting Authority shall moot a proposal for Black listing or prohibition of any contractors, in case the work is not completed within time frame in work order. Additional penalty may be imposed at the discretion of the Tender inviting authority.
 7. **Agreement:** Model agreement document shall be prepared by the bidder in consultation with the competent authority. The agreement will be signed only if the competent Authority has given the consent. The LOI and bid document shall become part of the agreement.
 8. **Withdrawal of bid:** None of the bidder shall be allowed to withdraw the bid once submitted. If any bidder attempts to withdraw bid at any stage of the bidding process or decides to withdraw after issuance of work order, then the EMD shall be forfeited and process shall be initiated for either black listing the bidder or prohibiting participation in any tenders for a period of one year.
 9. Negotiation with **L2** bidder is prohibited.
 10. Cancellation of any tender due to unavoidable circumstance will lead to a fresh tender which will be treated as 1st call only.

The Tender inviting authority reserves the right to reject or cancel any bid without assigning any reason whatsoever.

Any attempt by the bidders to produce fake or false documents and frivolous complaints with an intention to vitiate the tender process will be viewed seriously and the tender committee will take necessary action to initiate process for black listing them.

**Additional District Magistrate (Infrastructure)
South 24 Parganas**

Memo No: 72/1(5)/ NZ/INFRA/N-67/GS MELA-23

Dated: 07.09.22

Copy forwarded for necessary actions taken to:

1. Addl. District Magistrate (G), South 24 Parganas.
2. Nazareth Deputy Collector, South 24 Parganas for displaying the e-NIT in office notice board
3. Deputy Secretary, South 24 Parganas Zilla Parishad.
4. DIA, South 24 Parganas Zilla Parishad with a request to upload & publish the e-NIT in the Website (<http://wbtenders.gov.in>) and publish the notice in the District Website
5. CA to DM, South 24 Parganas for placing the notice before District Magistrate

**Additional District Magistrate (Infrastructure)
South 24 Parganas**

**TENDER INVITING AUTHORITY
CHECK LIST FOR TECHNICAL BID EVALUATION**

PARAMETERS	Bidder-1	Bidder-2	Bidder-3	Bidder-4
EMD				
Work Completion Certificate for experience				
Average Turn Over (3 consecutive years)				
Valid Trade License				
Latest IT Return				
Latest PT return				
GST Registration				
Valid PAN Card				
Declaration in Affidavit				

The following Agencies have technically qualified against whom the Financial bid can be opened

** While evaluating, the authority will see whether the bidders has sufficient document to match up to the requirement as desired in the e-NIT.*

SPECIFICATIONS OF HOGLA COTTAGES

The cottages must be able to withstand a 100km/h wind without any damage and remain securely attached to the ground. The Cottages must provide good protection against dust, wind, rain, insects and small crawling fauna. The cottages must be fire retardant to a level that allows users to evacuate the cottages. Housekeeping with change of linen and consumables every morning for ten days. with wooden flooring, carpeting general lighting, fans with necessary accessories, gardening and Car parking, Kitchen and accommodation of working staffs.

All seams that are subject to possible tension must be double lock stitched or double row binding, waterproof. The stitches can be waterproofed with tape on the inner side where required. Stitching produces strong, long-lasting, neat, waterproof seams and professional looking seams. The stitch count as well as UV and rot-proof sewing threads must be appropriate and suited to the fabric. The seams must be oriented to facilitate the unimpeded runoff of rain: avoid creating water lines or water pockets. Wherever possible, the colour of the sewing thread should be compatible with the fabric colour. All ropes and webbing bands must be heat cut. All ropes are knotted to the tent at the factory. All of the above-mentioned items must be rot-proof and UV-proof. All accessories attachments must be waterproof. Laces or loops of the main cottages and shade-fly can be made of the PE material or PVC material of the cottages. The integrated bath-tub groundsheet must be made of PE woven fabric. All metal eyelets must be rustproof and correctly placed, with an inner diameter adapted to the intended use. Unless otherwise specified, a maximum tolerance of +/- 1% is accepted on all dimensions.

The ropes for the 6 main guying points are black, UV treated, with a minimum tensile strength of 3000 N. The ropes for the 24 other guying points are black, UV treated, with a minimum tensile strength of 1400N. All guy ropes lengths are appropriate to attach to pegs located at 1.5m ground distance from each cottage corner, plus half of the length for tensioning. Other ropes are black, UV treated, of appropriate length. All ropes must be attached to the cottages. All ropes must have a securely-knotted loop at one end, to place over the peg or in the snap hook. - All ropes are tensioned by sliding on the cottage side, or the shade-fly side, not on the peg side. - Tensioning with hard-wood red guy runners, or preferably metallic red guy runners. The grain of the wooden runners must run lengthwise in the runner. The holes must be adapted to the good running and blocking of the ropes.

The cottages should be equipped with (a) Air- conditioning and insulation in walls for protection from sunlight (b) one outer fly (c) one inner fly (d) insulated packet of side walls (e) 02 standing poles (f) 1 ridge pole four side poles (g) fully fitted with Niwar and rope having iron pegs, iron pins and 1 hammer (h) Floor of nylon- polyester sheet (i) It will have one central room of 16' x 16', one toilet at rear of 16' x 8' and one veranda of 16' x 8' (j) Outer height 11' (k) Height of side wall 6' (l) Inner height 9' 6" (m) Number of windows 4 (n) Number of door 1 (o) Mosquito nets in windows (p) eyelet with chain lock in door flab (q) WiFi connection. (r) Furniture (s) Refrigerator (t) Room Heater (u) Sofa (v) Wardrobe. etc.

The bathroom should be equipped with (a) Wash basin (b) Western toilet (c) Shower (d) Mirror (e) Geyser mounted in GI self – standing wall with paint finish (f) Toilet roll with holders with 10 refills (g) Plumbing works with hot & cold- water inlet in shower only (h) Bath Tub (i) Water reservoir with elevated water tank (j) Sewage outlet works (k) Floor in water- proof plying & cement work if required completed with Waterproof groundsheet below water proof ply.

The bedroom should be equipped with (a) Bedroom floor with waterproof poly sheet on floor (b) One double Bed (mattress, bedclothes three changes) (c) 2 sets of blankets (one double & one single, Second set has light blankets (d) Centre table with three comfortable chairs (e) Mosquito net for windows (f) One 42- inch LED TV with Cable Connection (g) One 2- ton Tower AC (f) Flying insect killer UV machine (h) Dust bin (i) Coffee / Tea maker with 10 days refill (j) 3 Mugs and 3 teaspoons (k) 2 water glasses (l) Door mats- 2 and (m) Entrance flab with lockable chain lock.

The veranda should be equipped with (a) floor with waterproof poly sheet (b) Veranda table & Chair (c) Dinning table mats (d) Door mat and (e) 2 foldable chairs.

SPECIFICATIONS OF LUXURY SWISS COTTAGE TENT

The tent must be able to withstand a 100km/h wind without any damage and remain securely attached to the ground. The tent must provide good protection against dust, wind, rain, insects and small crawling fauna. The tent must be fire retardant to a level that allows users to evacuate the cottages. Housekeeping with change of linen and consumables every morning for ten days. with wooden flooring, carpeting general lighting, fans with necessary accessories, Gardening and Car parking, Kitchen and accommodation of working staffs.

All seams that are subject to possible tension must be double lock stitched or double row binding, waterproof. The stitches can be waterproofed with tape on the inner side where required. Stitching produces strong, long-lasting, neat, waterproof seams and professional looking seams. The stitch count as well as UV and rot-proof sewing threads must be appropriate and suited to the fabric. The seams must be oriented to facilitate the unimpeded runoff of rain: avoid creating water lines or water pockets. Wherever possible, the colour of the sewing thread should be compatible with the fabric colour. All ropes and webbing bands must be heat cut. All ropes are knotted to the tent at the factory. All of the above-mentioned items must be rot-proof and UV-proof. All accessories attachments must be waterproof. Laces or loops of the main tent and shade-fly can be made of the PE material or PVC material of the cottages. The integrated bath-tub groundsheet must be made of PE woven fabric. All metal eyelets must be rustproof and correctly placed, with an inner diameter adapted to the intended use. Unless otherwise specified, a maximum tolerance of +/- 1% is accepted on all dimensions.

The ropes for the 6 main guying points are black, UV treated, with a minimum tensile strength of 3000 N. The ropes for the 24 other guying points are black, UV treated, with a minimum tensile strength of 1400N. All guy ropes lengths are appropriate to attach to pegs located at 1.5m ground distance from each tent corner, plus half of the length for tensioning. Other ropes are black, UV treated, of appropriate length. All ropes must be attached to the tent. All ropes must have a securely-knotted loop at one end, to place over the peg or in the snap hook. - All ropes are tensioned by sliding on the tent side, or the shade-fly side, not on the peg side. - Tensioning with hard-wood red guy runners, or preferably metallic red guy runners. The grain of the wooden runners must run lengthwise in the runner. The holes must be adapted to the good running and blocking of the ropes.

The tent should be equipped with (a) Air- conditioning and insulation in walls for protection from sunlight (b) one outer fly (c) one inner fly (d) insulated packet of side walls (e) 02 standing poles (f) 1 ridge pole four side poles (g) fully fitted with Niwar and rope having iron pegs, iron pins and 1 hammer (h) Floor of nylon- polyester sheet (i) It will have one central room of 16' x 16', one toilet at rear of 16' x 8' and one veranda of 16' x 8' (j) Outer height 11' (k) Height of side wall 6' (l) Inner height 9' 6" (m) Number of windows 4 (n) Number of door 1 (o) Mosquito nets in windows (p) eyelet with chain lock in door flab (q) WiFi connection. (r) Furniture (s) Refrigerator (t) Room Heater (u) Sofa (v) Wardrobe. etc.

The bathroom should be equipped with (a) Wash basin (b) Western toilet (c) Shower (d) Mirror (e) Geyser mounted in GI self – standing wall with paint finish (f) Toilet roll with holders with 10 refills (g) Plumbing works with hot & cold- water inlet in shower only (h) Bath Tub (i) Water reservoir with elevated water tank (j) Sewage outlet works (k) Floor in water- proof plying & cement work if required completed with Waterproof groundsheet below water proof ply.

The bedroom should be equipped with (a) Bedroom floor with waterproof poly sheet on floor (b) One double Bed (mattress, bedclothes three changes) (c) 2 sets of blankets (one double & one single, Second set has light blankets (d) Centre table with three comfortable chairs (e) Mosquito net for windows (f) One 42- inch LED TV with Cable Connection (g) One 2- ton Tower AC (h) Flying insect killer UV machine (i) Dust bin (j) Coffee / Tea maker with 10 days refill (k) 3 Mugs and 3 teaspoons (l) 2 water glasses (m) Door mats- 2 and (n) Entrance flab with lockable chain lock.

The veranda should be equipped with (a) floor with waterproof poly sheet (b) Veranda table & Chair (c) Dinning table mats (d) Door mat and (e) 2 foldable chairs.

SPECIFICATIONS OF HANGER STRUCTURE

The hanger must be able to withstand a 100km/h wind without any damage and remain securely attached to the ground. The hanger must provide good protection against dust, wind, rain, insects and small crawling fauna. It should be fire protection system. The hanger must be fire retardant to a level that allows users to evacuate form inside. Housekeeping with checking of structure and consumables every morning for ten days. with wooden flooring, carpeting, adequate light, fans with necessary accessories, Gardening and Car parking, Kitchen and accommodation of working staffs.

The hanger to be completely leak proof. Hanger structure materials using high class PVC coated fabric. Frame structure to be formed by Column and Beam to ensure the longitudinal stability arrange by column bracing, roof bracing and runners. The loading pass to foundation through column and beam connected to one another with bracket, gussets, cleats, hinges as per design with necessary bolts and nuts, metals arc welding. The column should be fixes on sufficient foundation. Hanger are used for protection from the weather and direct sunlight. They are a very efficient use of space, allowing for access to the full width of the hanger. Hanger should be weatherproof and can withstand more extreme weather such as rain and high winds. Hanger cladding should protects from outside elements. Hanger insulation should be allows to control the atmosphere within hanger.

The stitches can be waterproofed with tape on the inner side where required. The seams must be oriented to facilitate the unimpeded runoff of rain: avoid creating water lines or water pockets. The ropes with a minimum tensile strength of 3000 N. All ropes are tensioned by sliding on the hanger side, or the shade-fly side. The grain of the wooden runners must run lengthwise in the runner. The holes must be adapted to the good running and blocking of the ropes.

The hanger should be equipped with (a) Air- conditioning and insulation in walls for protection from sunlight 9 (b) insulated packet of side walls (c) Floor of nylon- polyester sheet (d) It will have central rooms of 16' x 16', toilets of 16' x 8' (e) Sufficient outer height (f) Sufficient height of side wall (g) Sufficient inner height (h) Number of windows as directed (i) Number of door as directed (j) Mosquito nets in windows (k) WiFi connection. (l) Furniture (m) Refrigerator (n) Room Heater (o) Sofa (p) Wardrobe. etc.

The bathroom should be equipped with (a) Wash basin (b) Western toilet (c) Shower (d) Mirror (e) Geysers mounted in GI self – standing wall with paint finish (f) Toilet roll with holders with 10 refills (g) Plumbing works with hot & cold- water inlet in shower only (h) Bath Tub as directed (i) Water reservoir with elevated water tank (j) Sewage outlet works (k) Floor in water- proof plying & cement work if required completed with Waterproof groundsheet below water proof ply. The veranda should be equipped with (a) floor with waterproof poly sheet (b) Veranda table & Chair (c) Dining table mats (d) Door mat and (e) 2 foldable chairs.

(i) **For Dormitory type shed:-** It is average 20 bedded and may be varied as per site condition. The each bedroom should be equipped with (a) Bedroom floor with waterproof poly sheet on floor (b) One double Bed (mattress, bedclothes three changes) (c) 2 sets of blankets (one double & one single, Second set has light blankets) (d) Centre table with three comfortable chairs (e) Mosquito net for windows (f) One 42- inch LED TV with Cable Connection (g) One 2- ton Tower AC (h) Flying insect killer UV machine (i) Dust bin (j) Coffee / Tea maker with 10 days refill (k) 3 Mugs and 3 teaspoons (l) 2 water glasses (m) Door mats- 2 and (n) Entrance flab with lockable chain lock. (o) The bathroom should be equipped with sanitary and plumbing fittings.

(ii) **For Control Room shed:-** (a) Aluminium structure (b) Wooden board platform with carpeting (c) Side and partion walling by octanorm system laminated panel (d) Conference table with chair (e) Table 30 Nos. & Chair 100 Nos. (f) Sofaset with centre table (g) Air Conditioning arrangement by split type AC Units, Lights.

(iii) **For Food Court Shed:-** (a) Wooden board platform with carpeting (b) Side and partition walling by octanorm system laminated panels (c) Wooden Buffer Table 50 Nos., Chair 80 Nos. & Round Table (d) Air Conditioning arrangement by split AC Units (e) Lights.

(iv) **For Pilgrim Shed:-** It is average 5000 persons capacity for accommodation. Half round shape iron tubular structure with SRF Nylon covering and laying of synthetic carpet on floor, inside lights & fans.