

ACCEPTANCE LETTER No : MINUTES OF CWC - II HELD ON 27-09-2023

To

G. RAVI,
8, 4th STREET, J.B. ESTATE,
AVADI,
CHENNAI - 600054

Dear Sirs,

Type of Work: PERCENTAGE RATE CONTRACT

Sub : **PERCENTAGE RATE CONTRACT FOR REPAIRS TO SEWER LINES AT HVF ESTATE**

Ref: (i) Fy Tender No. HVF/TE/13025/CEO/2023-24/26, Dated 04-07-2023 with Tender ID: 2023_AVNL_159752_1
(ii) Your Bid No: 579808 in this tender & Price Percentage reduction offered vide email dt 15-09-2023.

For and on behalf of the President of India, I hereby convey the acceptance of your tender by the competent financial authority for the above mentioned work for a total value of Rs. 15,00,000 /- (Rupees Fifteen Lakhs Only)

1.1 Percentage **Above (+)** the unit rates in ANNEXURE - B : **(+) 05.00 %**
(Shall remain firm till completion of contract)

1.2 Validity of contract : 15/10/2024

2. The contract is allotted with No. HVF/CE/18/2023-24/Maint., dated 12-10-2023 which will have to be quoted by you in all future correspondence in connection with this contract.

3. In accordance with condition No. 22 of the General Condition of Contract (IAFW-2249), please submit the security deposit of Rs. 37,500 /- (Rupees Thirty Seven Thousand and Five Hundred Only) in favour of "Chief General Manager, Heavy Vehicle Factory, Avadi" as mentioned in tender condition.

The maturity date of security Deposit shall be minimum 12 months from date of the completion of contract.

4. The contract shall be governed by the terms and conditions as per the contract documents enclosed and general condition of contract MES IAFW 2249. The deviation limit shall be as per the clause No.19.1.1 & 19.1.2 of MES Contract Manual (latest revision).

5. Shri. K. Ravichandran, JWM(SG)/IMS/CE(E) is nominated as Engineer-in-Charge and Shri. C. Prem Kumar, JWM/IMS/CE(E) is nominated as Site In-charge for the subject work respectively.

6. You are requested to contact the Engineer-in-Charge within 7 days of receipt of this letter for taking over of site and to make time and progress chart. You will also maintain wage-cum-muster roll and all other records as required in Contract Labour Rules and Acts.

7. Please acknowledge receipt of this letter and return two copies duly signed by you in proof of acceptance within seven days from the date of receipt of this communication.


(K. TULASI RAO)

JT. GENERAL MANAGER / IMS, EO & GS
For CHIEF GENERAL MANAGER / HVF
For And On Behalf Of THE PRESIDENT OF INDIA

Copy to :

- | | |
|--|-----------------------|
| 1. GM / HR & F&A, HVF, Avadi, Chennai - 600054 | |
| 2. Shri. K. Ravichandran, JWM(SG)/IMS/CE(E) | - Engineer -In Charge |
| 3. Shri. C. Prem Kumar, JWM/IMS/CE(E) | - Site -In Charge |
| 4. Shri. G. Ananda Kumar, WM/IMS | - Technical Examiner |

IN LIEU OF IAFW-1823(REVISED)
CONTRACTORS' ORDER SHEET

Work Order/Deviation Order No	HVF/CE/18/2023-24/Maint., dated 12-10-2023
Acceptance letter No.	MINUTES OF CWC - II HELD ON 27-09-2023
Contractor's Name	G. RAVI
Name of the work	PERCENTAGE RATE CONTRACT FOR REPAIRS TO SEWER LINES AT HVF ESTATE
CA amount	Rs. 15,00,000 /-

PARTICULARS

1. Authority	CWC decision of Fy. LEVEL CWC - II
2. Brief Description of work to be carried out	As per details in sheet attached and adhering to your firm Bid No. 579808 & Price Percentage reduction offered vide email dated 15-09-2023 in HVF/TE/13025/CEO/2023-24/26, dated 04-07-2023, Opened on 05-08-2023 for all Terms & Conditions therein & rate quoted in Schedule "A" and 'Annexure - B' enclosed with Contract Agreement.
3. Time effect	
a. Date of handing over of the site	16/10/2023
b. Date of commencement of work	16/10/2023
c. Date of Completion as per contract	15/10/2024
d. Date for completion shown in previous Orders	NA
e. Revised date of completion	NA
4. Financial effect (Rs.)	
a. Present order	Rs. 15,00,000 /-
b. Contract amount as adjusted by previous orders	NA
c. Contract amount adjusted up to and including this order	NA
5. Expenditure to be booked under code Head No	809 / 02 (Revenue Grant)
6. Certified that no special rate is involved	
7. Technical Examiner	Shri. G. Ananda Kumar, WM/IMS
8. Approved	Shri. K. Tulasi Rao, Jt.GM/IMS, EO & GS
9. Accepted	G. RAVI, CHENNAI


(K. TULASI RAO)

JT. GENERAL MANAGER / IMS, EO & GS
For CHIEF GENERAL MANAGER / HVF
For And On Behalf Of THE PRESIDENT OF INDIA

Distribution to :--

- G. RAVI, CHENNAI
- GM / HR & F&A, HVF, Avadi, Chennai - 600054
- Sr. Security Officer
- Shri. K. Ravichandran, JWM(SG) / IMS / CE(E) - Engineer -In Charge
- Shri. C. Prem Kumar, JWM / IMS / CE(E) - Site-In Charge
- Shri. G. Ananda Kumar, WM/IMS - Technical Examiner
- HOS/Safety, 8. HOS/Internal Audit cell, 9. HOS/Test Audit, 10. ALWC,
- Chief Commissioner of Central Excise, 26/1, Mahatma Gandhi Road, Nungambakkam, Chennai - 600034
- Dy. Chief Labour Commissioner(c), No: 26, III Block, 5th floor, Shastri Bhavan, Haddows Road, Nungambakkam, Chennai - 600006.

SCHEDULE – “A”

Item No	Item Description	Quantity	Unit	Net Percentage	Value of Work / Unit	Amount
HVF/TE/13025/CEO/ 2023-24/26, dt 04-07-2023	PERCENTAGE RATE CONTRACT FOR REPAIRS TO SEWER LINES AT HVF ESTATE (The Schedule of Items to be used / Works to be done are enclosed as ANNEXURE – B)	1.00	Whole Job	(+) 05.00%	15,00,000 /-	15,00,000 /-
Total of Items Rs.						15,00,000 /-
Add Taxes as applicable Rs.						0.00
Gross Total Rs.						15,00,000 /-


(K. TULASI RAO)

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TERMS & CONDITIONS:

1 Special Condition: The Material required for the subject work which be brought inside the factory by the contractors, should be noted along with challan / vouchers etc., and a copy of the same are to be given to the engineering office for record and copy to be submitted to the contractors along with the bill while claiming the payment.

2 Payment Clause: The contractor has to pay the minimum daily wages to the skilled/semi skilled/unskilled labourers engaged in their work as has been specified by the Government, latest rate and displayed in the wages notice Board at factory.

3 Safety Clause: Annexure-B of MES Safety Code, IAFW 2249 must be observed in general. Work Permit shall be obtained for overhead/hazardous work condition. All the safety precautions/measures have to be taken by the contractor. However, a few points of safety measures to be followed for working at height and on the roof are mentioned hereby :

Use of safety belt and helmet of proper quality is mandatory for all workers working on roofs at height of above 5.00 meters and also in the underground areas. Safety belt with life line should be properly tied at some firm support.

(i) In case any difficulty is faced in proper fastening and securing of safety belt, a safety net may be provided below the workspot so that in case of accident fall, there might not be any fatality.

(ii) A crawling ladder or roof walker must be used for movement on Asbestos/CGI roofing.

(iii) Work Permit system should be followed in proper spirit. Contractors shall start the work after obtaining the Work Permit, wherever applicable. Contractor's supervisor and site-in-charge should brief on safety precautions to be observed by the workmen before start of the work. The workers should be clearly explained about the danger of standing or sitting on an apparently stout & new and neat looking asbestos/CGI sheet which is intrinsically weak.

(iv) The contractor shall clear the site after completion of work.

(v) The contractor must employ the labour force duly insured against life risk.

(vi) The contractors shall ensure compliance of all applicable statutory rules and regulations.

4 DEVIATION CLAUSE:

(i) $\pm 25\%$ of value of individual item other than freakishly rate quoted items.

(ii) For freakishly higher or lower rate quoted items it shall be $\pm 5\%$.

(iii) 20% of Work Order value (Contract value maximum Rs.10 lakhs)

10% of Work Order value (Contract value exceeding Rs.10 lakhs)



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS, EO & GS

For CHIEF GENERAL MANAGER / HVF

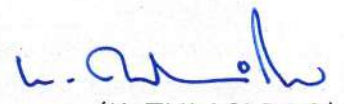
For And On Behalf Of THE PRESIDENT OF INDIA

ANNEXURE-A

SAFETY POINTS TO BE FOLLOWED BY THE CONTRACTOR:

1	Working with Safety is the responsibility of every worker individually and collectively. The contractor will be fully responsible for safe working at site.
2	Contractors should ensure that workers under his control do not come to work under the influence of intoxicants. Any worker found on duty under the influence of liquor or of intoxicating drugs, will be liable to severe disciplinary action / removal from site.
3	The contractor shall ensure of necessary shut- down where ever there are hazards of gases, electricity, moving machineries etc.. by the executing department & also ensure that these shutdown clearances are taken in writing before sending workers to such locations.
4	Height Pass (Permit for working at heights) and Safety permit must be obtained by the contractor from Safety Section / HVF, before commencement of the work and the same shall be handed over to Engineer In-Charge (EIC).
5	Every worker who is to be deployed for working at height must submit a certificate from a Government Doctor that he has been examined for physical and mental fitness and certified to be fit. This certificate is to be produced every six months. The fitness will include freedom from (1) Epilepsy (2) High BP (3) Obesity (4) Vertigo along with general fitness and good eye sight.
6	The persons engaged by the contractor must have the training certificate of working at heights issued by a reputed institution.
7	All work at height must be carried out under the supervision of an Experienced and Trained Supervisory Team wherein the workers and Supervisory staff are well conversant with use of Personnel Protective Equipments (PPE's).
8	There must be one supervisor to exclusively monitor the activities of workers at the roof to ensure that all people are adhering to all safety precautions like laying of net at top of roof, safety belt and fall arrestor tied with lifeline in addition to the supervisor at ground work spot.
9	List of PPEs proposed to be used along with Test Certificate of the same must be submitted by the Contractor to EIC before start of work.
10	The safety of Men and Material is the entire responsibility of the Contractor. The Workers must limit their movement to the designated work areas and not loiter around.
11	The contractor must take Insurance policy for workman covering workman's compensation act and submit the copy of the same to EIC before commencement of work.
12	The Contractor should commence the work only after clearance for starting the work is given by EIC / SIC / Safety Section representative / User Section representative / Service section representative (if involved) in writing after ensuring compliance of all safety instructions, safe work conditions and regulations. It must be ensured that all safety requirements like use of Safety belts, full body harness, Life line Protection, Helmets, Safety nets etc.. in place and ready to be used by their labours.
13	The Contractor must use BOOM lift for Climbing up / down from heights.
14	Before Commencement of work at height all moving equipments under roof sheet where work is to be carried out shall be shut.
15	Workers should be conversant with the use of Retractable fall arrestor, life line, safe work ladder, duck ladder, crawling board , Helmets etc.,.The work of fixing safety net must be carried out by experienced person and precaution be taken so that net is fixed to a structural member sufficiently strong to bear at least one ton load and on sagging under the load of fall the net must not strike a machine structure or part of building or crane.
16	Ladders, if used, must have a nylon rope for tying on top and bottom with suitable self locking hooks, screws, rings etc.,.
17	Use of Anchor plates to fix the lifeline etc must be done wherever necessary / feasible

18	In case the site conditions demands, a Safety Net may be fixed firmly on the fragile roof with the help of J-Bolts and this must be used for taking a life line. Proper training for the above must be imparted by the contractor to workers working on fragile roof and in any case fragile roof must not be taken for granted as safe.
19	During climbing on roof or on electrical pole using ladder or otherwise precautions must be taken to use two self locking hooks with lifelines and as climbing these hooks should be alternatively attached and detached with the cross bars / foot bars to prevent any eventual fall due to slippage. After reaching the roof of the top end of the ladder must be tied to the pole / fixed structure on top of the roof and work should be started thereafter.
20	The workers working at height must be cautioned not to allow leaving of loose items like broken sheets over the roof after completion of work.
21	Before starting the work, the area of work at height must be clearly defined and accordingly safety net of sufficient size should be put covering an area of 2.5 meters beyond the working area on all sides. The area of work at height and the approach also to be earmarked. The workers must specifically follow the specified route to reach the work area. If approach route is not firm than appropriate PPE as mentioned above must be used to ensure safety at work.
22	The Engineer in-charge executing the contract upon his satisfaction that the Contractor is not performing as per the safety requirements may direct stoppage of work. The contractor shall not proceed with the work until he has complied with such directions to the satisfaction of concerned Engineer in-charge.
23	On getting a Verbal intimation from Safety Section representatives / User Section representative regarding in any lapses in safety by the Contractor or his workers, the work should be stopped immediately. The verbal intimation must be followed up with written statement to civil section (Executing Section). After receiving the written statement from above representative, the EIC may pass orders wherein the contractor shall be liable for penalty of Rs.5000/- for the first violation, Rs. 10000/- for the second violation and Rs. 20000 /- for the Third Violation. For the Fourth violation his contract shall be liable cancelled and to be debarred from further contracts. The penalty / fine amounts will have to be deposited by Contractor in the form of MRO and the MRO will be handed over by the contractor to the EIC.
24	Suitable scaffolding should be provided for workmen for all works that cannot be safely be done from the ground or from solid construction.
25	While standing on the valley gutter, the safety belt should be worn and the life line should be tied to the purlin of the adjacent bay
26	In case the Contractor need to engage material handling equipments from outside, the following documents are required to be submitted to HVF without fail ; - Competent person certificate issued by Competent Person approved by the Directorate of Industrial Safety and health. - Registration certificate of the equipments - Lifting tackles like wire rope, slings are also to be certified by the Competent person as they are part of the lifting material handling equipments. - The valid driving licenses of the driver who operates the material handling equipments.


(K. TULASI RAO)

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ANNEXURE – B

NAME OF WORK: PERCENTAGE RATE CONTRACT FOR REPAIRS TO SEWER LINE AT HVF ESTATE

Schedule of items to be used for Repairs to Sewer Lines at HVF Estate with Rates :-

Sl. No	DESCRIPTION	SSR 2020	UNIT	RATE
1	Material and labour for excavation of hard dense soil not exceeding 1.5m deep and getting out.	03006	Cum	675.00
2	Material and labour for Road Cutting of soft / disintegrated soil for foundation width and depth not exceeding 1.50 m and getting out.	03006	Cum	1542.20
3	Material and labour for excavation of hard dense soil exceeding 1.5m deep and getting out.	03006 + 03007	Cum	833.70
4	Clearing Bush on both sides of Sewer line area where repair work is undertaken (800RM Approx) engaging JCB and removal from site to a distance of not more than 250M and leveling surface for undertaking the repair work all complete and as directed by EIC.	LPR	Per Hour	750.00
5	Demolition of cement concrete (unreinforced) in of any thickness including plastering.	21017	Cum	1631.30
6	Demolition of cement concrete (reinforced) in of any thickness including plastering.	21017 + 21019	Cum	1883.70
7	Demolition of Brickwork or stone/ boulder masonry, including Built in cement mortar or cement lime mortar.	21004	Cum	590.00
8	Demolition and breaking up drain pipes 100mm (Salt glazed ware, AC or Reinforced concrete) set in cement mortar and disposing the same to a lead exceeding 500 Meters.	21053	RM	48.50
9	Demolition and breaking up drain pipes 150mm (Salt glazed ware, AC or Reinforced concrete) set in cement mortar.	21053	RM	54.40
10	Demolition and breaking up drain pipes 200mm (Salt glazed ware, AC or Reinforced concrete) set in cement mortar and disposing the same to a lead exceeding 500 Meters.	21053	RM	59.70
11	Removal of cover slab of any size and re-fixing the same after cleaning of drain (drain cleaning measurement is taken separately) without any damage to the cover slab while removing or re-fixing.	LPR	RM	10.00
12	Cutting into existing manholes for connecting new drains, making good to pipe and rendering, cutting out existing benching for and forming branch channel (1/2 round or 3/4 section) in cement concrete 1:2:4 type B-I smooth finished, and reforming benching as required (Internal dia of pipe in mm 150).	18242	Each	1120.00

Sl. No	DESCRIPTION	SSR 2020	UNIT	RATE
13	M&L for Formwork to sides of concrete foundations, footings, bases of columns, raft and raft beams, sides and soffits (if any) of foundation and plinth beams; and similar work; vertical or to batter.	07004	Sq M	397.11
14	Material and labour for Use and waste of timbering as planking and strutting for excavations in trenches exc.3.00 m not exc.5.00 m deep in soil including wales, struts open poling boards, etc. as may be necessary and fixing and removal to avoid the caving of the earth work.	03013	Sq M	231.40
15	M & L for Concrete bed to drain pipes (100mm) in PCC Type C2 1:3:6 Including packing under, and haunching against the sides of pipes after they are laid and tested.	18218	RM	379.93
16	M & L for Concrete bed to drain pipes (150mm) in PCC Type C2 1:3:6 Including packing under, and haunching against the sides of pipes after they are laid and tested.	18218	RM	466.89
17	M & L for Concrete bed to drain pipes (200mm) in PCC Type C2 1:3:6 Including packing under, and haunching against the sides of pipes after they are laid and tested.	18218	RM	647.79
18	S & F of 100mm Salt-glazed stoneware drain pipes laid in trenches and jointed as specified.	18220	RM	291.99
19	S & F of 150mm Salt-glazed stoneware drain pipes laid in trenches and jointed as specified.	18220	RM	448.53
20	S & F of 200mm Salt-glazed stoneware drain pipes laid in trenches and jointed as specified.	18220	RM	550.00
21	Reinforced concrete pipes, class NP2, laid and jointed complete with collars. (300mm)	18224	RM	645.00
22	Reinforced concrete pipes, class NP2, laid and jointed complete with collars. (250mm)	18224	RM	550.00
23	S & F of PVC (SWR) Pipes single socketed, in any length with rubber ring joint, laid in trenches or in wall (110mm).	18183	RM	195.00
24	S & F of PVC (SWR) Pipes single socketed, in any length with rubber ring joint, laid in trenches or in floors (110mm).	18181	RM	190.00
25	PVC (SWR) branch piece, double 110mm (double Y) equal or unequal provided with access door.	18187 + 18190	Each	744.32
26	S & F of PVC (SWR) 110mm, bends any radius and provided with access door.	18185 + 18190	Each	170.00

Sl. No	DESCRIPTION	SSR 2020	UNIT	RATE
27	S & F of PVC (SWR) 110mm, uncton single, (Single T) equal or unequal and provided with access door.	18188 + 18190	Each	549.03
28	S & F of PVC (SWR) Pipes single socketed, in any length with rubber ring joint, laid in trenches or in wall (75 mm).	18183	RM	165.00
29	S & F of PVC (SWR) Pipes single socketed, in any length with rubber ring joint, laid in trenches or in floors (75 mm).	18181	RM	160.00
30	S & F of PVC (SWR) 75 mm, bends any radius and provided with access door.	18185 + 18190	Each	145.00
31	S & F of PVC (SWR) 75mm, junction single, (Single T) equal or unequal and provided with access door.	18188 + 18190	Each	425.28
32	S&F of 110 mm PVC SWR vent cowl.	18193	Each	115.00
33	Material and labour for sand filling under foundation, flooring etc, including watering and consolidation.	03019	Cum	1974.30
34	M&L Hardcore of gauge n exc. 63 mm, deposited, spread and levelled in layers n exc. 15 cm thick, watered and rammed to a true surface.	03042	Cum	2070.80
35	M&L for quarry dust in floors or pavings, laid in layers not exceeding 15 cm spread, leveled and rammed including watering where directed.	LPR	Cum	1287.00
36	Material and labour for PCC Type B2 1:2:4 20mm graded aggregate in flooring.	04025 + 04093	Cum	6533.33
37	M & L for Brick work built in CM 1:6 using Sub-Class "B" Bricks, straight or curved on plan to any radius.	05004	Cum	4875.00
38	M & L for providing plastering in CM 1:4, 15mm thick on brick /concrete surface.	14001 + 14004	Sq M	263.12
39	Material and labour for Precast cement concrete Type B1 1:2:4 20 mm graded aggregate set in cement mortar 1:6 in landings, cover slabs, manholes chullah hoods, chajjas water troughs, mangers, shelves and similar articles with plain faces (cover slab).	04033	Cum	11053.80
40	Material and labour for deformed or twisted mild steel bars 10 mm dia and over cut to length bent to shape required including cranking, bending spirally for hooping for columns, hooking ends and binding with and including mild steel wire not less than 0.9 mm dia.	10034	Kg	81.87

Sl. No	DESCRIPTION	SSR 2020	UNIT	RATE
41	Material and labour for deformed or twisted mild steel bars 6 to 8 mm dia and over cut to length bent to shape required including cranking, bending spirally for hooping for columns, hooking ends and binding with and including mild steel wire not less than 0.9 mm dia.	10035	Kg	83.89
42	Cleaning of the soft / loose soil in the culvert of vibrating Machine and getting out including cleaning earth / soil to a lead exceeding 250 m but not exceeding 500 m and depositing where directed including spreading and leveling.	LPR	RM	500.00
43	Returning / refilling of soil / loose including spreading, leveling, watering and well ramming in layers not exceeding 25cm.	03009	Cum	139.10
44	Removal of excavated material exceeding 250m but not exceeding 500m and depositing where directed.	03031	Cum	324.00
45	M & L for OBD two coats on New plastered walls over a coat of primer paint after preparing the old decorated surfaces.	15001 + 15005 + 15009	Sq M	102.90
46	M&L For applying two coat of white wash (lime based) on wall in new surface.	15001 + 15006	Sq M	18.60

- Contractor may note that the above quoted rates for SSR Items are based on MES SSR 2020 rates.
- Contractor may also note that all the above quoted rates are inclusive of all levies & Taxes (Including GST) as per rules in vogue.
- The quantities will be operated against each item as required / ordered by E-I-C and total value of order not exceeding Rs. 15.00 Lakhs. The contract will be in operation for a period of One year from the date of issuance of order.



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS, EO & GS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA

PARTICULAR SPECIFICATIONS FOR PERCENTAGE RATE CONTRACT

1. PERCENTAGE RATE CONTRACT FOR REPAIRS TO SEWER LINES AT HVF ESTATE

- 1.1 This will be a Percentage rate contract and consolidated (single) percentage over or below the list of items shown at Schedule / Annexure - B must be quoted. The quoted percentage figures shall be firm throughout the contract period.
- 1.2 The scope of work to be included in the tender shall be described in the particular specification. The method of measurement shall be as described in the preamble to respective sections in the MES Standard Schedule of Rates 2020.
- 1.3 The Percentage Rate Contract area is contained normally within **HVF Estate Area**, unless otherwise specified.
- 1.4 The items to be executed are indicated in Annexure - B. The quantities will be operated against each item as required / ordered by E-I-C and total value of order not exceeding **Rupees 15.00 Lakhs (Rupees Fifteen Lakhs)**.
- 1.5 The Scope of work and rates are indicated in Schedule / Annexure – B.
- 1.6 The contract will be in operation for a period of One Year from the date of issuance of order as and when required.

2 MES SCHEDULE:

- 2.1 General rules specifications, special conditions and all preambles in the MES Schedule shall be deemed to be applicable to the work under this contract.

3 SCOPE OF WORK:

- 3.1 The scope of work under this Percentage Rate Contract comprises of items / works described at Annexure-B.
- 3.2 The items / works as indicated at Annexure – B shall be operated.
- 3.3 The contract shall be operated by which total value of order is not exceeding Rs.15.00 Lakhs

4 MATERIALS:

All the materials required for execution of this work to be supplied by the Contractor shall conform to relevant IS Specification and approved by the Engineer-In-Charge before incorporation in the works. All materials, tools and plants shall be the responsibility of the Contractor. Chief General Manager / HVF will not be held responsible in this account.

5 WORKMANSHIP:

- 5.1 Workmanship shall be all as specified in MES Schedule and or conforming to Standard Engineering Practice
- 5.2 The work is to be carried out as and when ordered at various places mentioned above. Therefore, the contractor has to have close contact with Engineer-In-Charge and report at Civil Engineering (Estate).
- 5.3 The work is to be carried out continuously for a period of **12 Months** as and when ordered from the date of issuance of order.
- 5.4 All works are to be carried out as per the Standard Procedure / Specification laid in SSR `2009 Part-I.
- 5.5 The Contractor has to quote his rate (+) or (-) in Single Percentage rate to Items/Works shown at Annexure–B.

6 PARTICULAR SPECIFICATION

- 6.1 Sand : Fine aggregate for concrete work shall conform to materials specifications and grading within the limits of grading zones II or III all as specified in clauses 4.4 to 4.4.7.3 of MES Schedule Part-I. Contractor may without any extra cost in lieu of river sand use manufactured sand (crushed stone sand) produced from hard granite/basalt/black trap stone, having cubical shaped particles with grounded edges of ground gradation zone II / III as per IS 383 – 1970 as applicable. In the market it is known as M-sand / Robo sand / I-sand etc. For pricing deviations, SSR rates shall only be applicable without any price adjustment for manufactured sand. However manufactured sand shall be used only in concrete, Cushioning and masonry works. For plastering, river sand shall only be used.
- 6.2 The brick to be used for the work shall be of well burnt, good quality bricks free from cracks, flaws, wraps and nodules of free lime and shall be of uniform sizes and shape.
- 6.3 The aggregates to be used for the concrete shall be of black or blue hard granite aggregate free from quarry dust, earth etc. The size of the aggregate shall be of uniform size as per the requirement. Flaky & elongated pieces over sizes shall be avoided.
- 6.4 All the materials required for cement works shall be measured by measurement boxes approved by E-I-C only. Skilled workers are to be engaged for carrying out work such as masonry, plastering, concreting. All cement works shall be cured for 28 days. The cement to be used shall be of OPC (Ordinary Portland Cement) of 43 Grade and 53 grade in accordance with IS8112-1989 only of **The Associated Cement Companies Ltd.,** Grasim Industries Ltd, Ultra Tech Cement, The India Cement, Dalmia Cement, Andhra cement Ltd., Century Cements, Saurashtra Cement, Madras Cement, Mangalam Cement, Birla Cement, Orient Cement, Lafarge Cement, Shree Cement, J.K. Cement, Jaypee Rewa Cement, Binani Cement, Lakshmi cement, Gujrat Ambuja Cement and . Bangur Cement , age not more than six months from date of manufacture.
- 6.5 All the Mass concrete work should be of Ready Mix Concrete (RMC). RMC shall be procured by the contractor from the producers whose RMC plants are fully Automatic plants and confirm to the IS 4926-2003 and IS 4925-2004.
- 6.6 The concrete test certificate for samples taken at RMC plant should be submitted to E-I-C.
- 6.7 The contractor should cast 3 Nos. of concrete cube per 200 CUM of concrete at site. The testing of concrete cubes to be done by the contractor at his own cost at government approved testing lab. The relevant test certificate should be submitted to E-I-C.
- 6.8 All the cement works shall be cured for at least 21 Days.
- 6.9 The normal concrete shall be of machine mixed and no manual mixing shall be allowed and the materials required for the concrete and the cement work shall be measured by means of weigh batching/ measurement boxes only as directed by E-I-C and no other mode of measurement shall be allowed.
- 6.10 All the concrete work shall be compacted using mechanical vibrator or surface vibrator as required.
- 6.11 The tiles for the work to be used shall be of JHONSON / KAJARIA / SOMANY / NITCO make.
- 6.12 The Structural Steel to be used shall be of RINL – VIZAG Steel / SAIL / TATA – TISCON / “ BIS” Marked Primary manufacturers.

- 6.13 The primer to be used on Steel, Concrete, Cementous plastered surface and Wooden surface must be of first quality ASIAN / NEROLAC / NIPPON / BERGER make only.
- 6.14 The enamel paint / External Emulsion / Internal Emulsion / OBD to be used must be first quality ASIAN / NEROLAC/ NIPPON / BERGER make only. The Cement Paint to be used must be first quality SUPERCEM / DUROCEM / SNOWCEM.
- 6.15 All the materials must be approved by E-I-C before incorporation into the work and shall have ISI / BIS Mark (wherever applicable).
- 6.16 All Sanitary fitting make shall be of Make – Parryware / Hindware / Nycer / Johnson / Cera.
- 6.17 Wherever make of any item is specifically mentioned in the description of the BOQ Items, the items/material of that specified make must be supplied/fixed by the contractor with the approval of E-I-C.
- 6.18 The Contractor shall sign the work diary every day which is maintained by the site incharge.
- 6.19 The requirement of work force may vary on daily basis according to quantum of work and in certain cases for attending emergency work on short notice; workers are required to be arranged without any extra payment. The Contractor is required to carry out small repair/replacement works of different nature at various locations. The Contractor shall quote his percentage rate considering all the above aspects.
- 6.20 The contractor shall handover the original bills obtained from the above said manufacturers and the gate entry chellan Xerox Copies also to be handed over to CE (Estate / Fy).
- 6.21 The safety precaution like Safety Belt, Insurance and Safety Clearance shall be obtained while working at height and CGM/HVF will not be held responsible.
- 6.22 The Contractor shall be responsible to make good and remedy at his own cost any defect which may develop or may be noticed and intimation of which has been sent to contractor by a letter sent by hand delivery or by registered post before the expiry of a period of 01 (One) Year (here in after referred to as defects liability period/Maintenance Period) from the completion of whole of the work.
- 6.23 In the event of the contractor failing to rectify the defect or damages within the period specified by the Engineer-In- Charge in his notice aforesaid, the Engineer-In-Charge may rectify or remove and Re-execute the work and /or remove and replace with other materials or articles complained of, as the case may be, by or other means at the risk and expense of the contractor.
- 6.24 Making final payment shall not discharge or release the contractor from his responsibilities and liabilities under the contract.
- 6.25 In the absence of any definite provisions on any particular issue of the aforesaid specification, reference may be made to the latest I.S. Specifications, in that order, Where even these are silent, the completion of the works shall conform to sound engineering practice and in case of any dispute arising out of the interpretation of the above, the decision of the Engineer-In-Charge shall be final and binding on the contractor. These shall be deemed to be bound to this document and becomes part and parcel of the agreement.
- 6.26 The Contractor has to produce the Test Certificate confirming to I.S. and other accepted Codes and Standards in support of the quality of materials procured. If the materials are found to be substandard or not confirming to the prescribed test standards, the same will be rejected without any claim for damages whatever.

7. GENERAL CONDITIONS :-

- 7.1 All the works are to be carried out as per the Standard Procedure laid in SSR `2009 Part-I
- 7.2 All the materials, tools etc., required for the work shall be the responsibility of the Contractor.
- 7.3 The safety of men and materials shall be the responsibility of the contractor. Chief General Manager / HVF will not have any responsibility in this account. The contractor will be solely responsible for any accidents occurring during execution of the work.
- 7.4 All the materials shall be approved by E-I-C before incorporation into the work and shall have ISI Mark. Original cash vouchers of materials purchased and used by contractor on the work shall be submitted to EIC / Site in-charge for record. Inward gate pass of all materials being brought by contractor are to be made on a pucca bound register and got it checked along with cash vouchers from the E-I-C /Site-In-Charge at the time of its entry in the Factory / Estate.
- 7.5 The contractor should take Workmen compensation, Insurance Policy as per Workmen Compensation Act for the workers in this work and copies of the same shall be handed over to E-I-C before commencement of the work. Further, in case of the death of the contractor person, the contractor will have to arrange for the compensatory payment after meeting the legal heir of the deceased and obtain the necessary acknowledgement for having made the payment. A copy of the same should be submitted to the Principal employer (Chief General Manager) within 30 days of the accident. If any failure in this regard happens on the contractor's part, the recovery of the amount shall be arranged from the contractors' bill.
- 7.6 The entire work shall be carried out as per the relevant clauses / specifications of MES SSR 2020 and SOP for Civil Works in AVNL – 2021.
- 7.7 The contract period shall be TWELVE MONTHS (365 days) from the date of handing over the site.
- 7.8 The maintenance period shall be 'ONE Year' from the date of completion of the work.
- 7.9 The contractor may visit the site before quoting their rates with prior appointment with Divisional Officers of CE / EE.
- 7.10 The safety norms shall be strictly followed and any deviation will lead to cancellation of the contract agreement.
- 7.11 All the workmen should confine to their work spot only and should not venture into areas other than the work spot.
- 7.12 The work shall be completed within the stipulated period, failing which liquidity damages shall be deducted from the Contract amount as per IAFW 2249 and SOP for Civil Works in AVNL - 2021.
- 7.13 Any damages to Government property, shall be made good free of cost by the contractor.
- 7.14 The dismantled materials except credit item if any shall be returned to CE / EE stores intact.
- 7.15 The order is for complete work and on completion of the job, the work shall be jointly inspected by the Contractor and CE / EE representatives.
- 7.16 Adequate safety precautions are to be adopted by the Contractor while working at height such as i) Safety Helmets to all the personnel, ii) Roof ladder shall be arranged for roof work, iii) Full Body harness safety belt shall be arranged for the workmen, iv) Retractable fall arrestor to be arranged by the contractor's workmen working at height, v) Life line to be arranged for the personnel working at height, vi) Safety net to be tied as per safety norms.
- 7.17 Safety permit shall be obtained by the contractor from safety section / HVF before commencement of the subject work and same shall be handed over to EIC.
- 7.18 The order is for complete work and any minor material / minor civil work required for completing the work is deemed to have been included in the quotation, if not specifically stated otherwise.

- 7.19 The contractor shall engage skilled labourers only, for the works such as Roof Work, Masonry, plumbing, Plastering, Painting and Electrical works etc.
- 7.20 The contractor shall engage a qualified site supervisor and his relevant qualification certificate shall be produced before commencement of work to E-I-C to maintain all the relevant records and documents.
- 7.21 All Xerox copies of material pass in slips shall be handed over to CE(Fy/Estate)
- 7.22 The demolished debris shall be disposed off from the site as per the directions of E-I-C.
- 7.23 The Labours to be employed for roof work shall be insured and the copy of the insurance shall be handed over to the Engineer-In-Charge before the commencement of work.
- 7.24 The contractor must submit the Certificates / documentations obtained from the Original Manufacturer / Authorised Dealers to prove the genuineness / Authenticity of the branded - materials / chemicals / products being supplied / used during execution as per scope of work of the Contract Agreement. These documents must be submitted to E-I-C before using the materials.
- 7.25 In view of the safety of Man and Materials, the Contractor is advised to use Boom Lift for doing all the work involving working at height including all types of roof works, under the roof works and roof related works.
- 7.26 The Contractor is advised to visit the work site with prior permission of Divisional Officers of CE / EE for inspection of the site for seeing the suitability of Using Boom Lift for all types of roof works, under the roof works and roof related works.

(K. TULASI RAO)

JT. GENERAL MANAGER / IMS, EO & GS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA

INSTRUCTIONS TO CONTRACTOR:

- 1 The work is to be completed within the period (in accordance within the phasing, if any, indicated in the tender) from the date of handing over of the site, which will on or about.
- 2 Execution of the subject work shall be carried out strictly as per the specifications mentioned in MES SSR-2009 Part-I and the materials shall be used as per IS Specifications and also as instructed / directed by Site In Charge / Engineer In Charge of the work from time to time.
- 3 All good quality of materials shall be brought by the contractor for incorporation in the work shall be got checked & approved by EIC/SIC before incorporating in the work. All ISI marked/ EIC approved materials for Building materials and approved branded Electrical materials as directed by EIC shall be supplied by the Contractor for incorporation in the work.
- 4 The Contractor shall follow and execute all works as per the instructions of SIC/ EIC with the approval at every stage and then progress the work. The progress of the work shall be recorded day-to-day basis in the prescribed work diary for checking.
- 5 The Plant & Machineries like concrete mixer, vibrator & other machineries like tools, tackles, welding arrangement, Gas cutting equipments etc., has to be arranged by the contractor of his own and shall be in good condition.
- 6 PVC-Verification Report for the workers to be deployed on work inside the Factory shall be arranged by the Firm on their own.
- 7 Water & Electricity will be supplied by HVF at the prescribed /prevailing charges and the same will be deducted from the Contractors Bill. And electrical charges given by EE Section should be deposited as directed in Cash office and submit the acknowledgement.
- 8 The copies of relevant documents showing the work done of similar nature of work shall be enclosed /mentioned to enable verification by HVF.
- 9 The contractor shall give details of Engineers, Technical persons skilled persons with their qualifications & experience along with the details of Plant & Machineries, Trucks & other machineries owned by him for execution of the work.
- 10 The Contractor shall submit a Bar Chart/ PERT Chart showing the completion of the work showing the simultaneous progress of independent works at the same time so as to complete the work within the stipulated time. The chart shall indicate the planning of the work with progress and completion in time. The Contractor shall give PDCs for various stages of work to enable monitoring of work progress.
- 11 The Contractor shall have to adhere to all the safety rules/ regulations laid down by safety section /HVF & General Safety instructions from time to time.
- 12 The Contractor has to follow all the rules and regulations laid down by the IAFW-2249, MES (Defence Services Rules & Regulations) and SOP for Civil works in AVNL - 2021.
- 13 The Contractor shall make arrangement to clear the area in and around the work site and remove all debris emerged out from the site shall be cleared as per instruction of EIC/SIC and as per the contract conditions.
- 14 The contract will be executed as per the General Conditions of Contract IAFW-2249 and SOP for Civil Works in AVNL – 2021.
- 15 All Government Taxes as applicable from Time to Time, including GST for Civil / Electrical works, shall be borne by the Contractor and the quotation / offer shall be inclusive of all taxes including GST. It will be the duty of the contractor to completely update himself about prevailing taxes and rates and this office will not issue any certificate regarding taxes.
- 16 The offer should confirm to technical specification and general conditions of contract.
- 17 Agreed for execution of work inside the factory (Restricted Area) by adhering all Factories, Security & Safety Rules & regulations which are in force.
- 18 Agreed for bringing material for incorporation in the work as specified/ as directed/ as per IS specified and approved.
- 19 Terms & Conditions of payment mentioned in Contract is Acceptable.

- 20 Agreed for Condition No.25 under sub Para (c) of IAFW-2249 regarding Contractors Supervision.
- 21 Agreed for inspection of work at every stage of work.
- 22 Agreed for deploying only Police verified (PVR) Workers.
- 23 The Contractor shall be solely responsible for the soundness of the structure including lean period. The contractor shall guarantee satisfactory performance of the work for a period of 12 months from the date of successful completion of the work.
- 24 The firm shall undertake to rectify any defect including replacement of defective parts resulting from faulty design, poor workmanship, bad materials etc., during the erection as well as within guarantee period free of charge.
- 25 Agreed for submission of Security Deposit as mentioned in the contract.
- 26 Compensation for delay in completion of the work / Liquidated damage clause as per Clause No. 50 of IAFW 2249 for compensation for delay and latest amendments thereto, is accepted.
- 27 Arbitration Clause: All disputes & differences arising out of or in any way touching or concerning this agreement (except these for which specific provision has been made therein) shall be referred to Sole Arbitrator to be appointed by CMD/AVNL, Government of India. The Arbitrator so appointed shall be a Government servant who had not dealt with matters to which this agreement relates and in course of this duties had not expressed views on all or any of the matter in disputes or differences. The award of the Sole Arbitrator shall be final and binding on the parties.
- 28 Dispute subject to Tamil Nadu Jurisdiction accepted.
- 29 The firm is agreed the clause of compensation as well as Risk and Cost and it is hereby agreed the same.
- 30 No worker less than eighteen years of age on the date of employment shall be engaged by the contractor for the work.
- 31 Contractor has to obtain a Certificate from Labour Commissioner (C), Tamil Nadu if he employee more than 10 workmen or less than 20 workmen under Building & Construction Works (RE-CS) Act 1996 & Central Rules 1998.
- 32 The workers shall be paid as per the Minimum Wages Act 1948 and to be followed as per the notification issued from Ministry of Labour from time to time.
- 33 The workers engaged above 3 mtr. Height shall be medically checked and necessary medical certificate shall be produced.
- 34 The contractor must carefully study the safety provisions as mentioned in Annexure "A" of the tender and must follow the safety precautions and measures totally. By confirming compliance to this point, the contractor submits his compliance to follow all the safety provisions mentioned in the Annexure.
- 35 The contractor must carefully study the Contract Agreement and the enclosures and must follow the same. By confirming compliance to this point, the contractor submits his compliance to follow all the provisions / clauses mentioned in the Contract Agreement and the enclosures.
- 36 In Accordance with conditions No. 22 of the General Conditions of the Contract (IAFW-2249), the Security Deposit must be deposited within 30 days from the date of issuance of order covering the execution period and maintenance period, drawn in favour of Chief General Manager/HVF, Avadi, Chennai in the form of FDR/TDR/BG from any Nationalised Bank.



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