

245824/2023/S & KHADI AND VILLAGE INDUSTRIES COMMISSION

DIGITAL KVIC

| | | | |
|------------|--|---------------|------------------------|
| Digital ID | : 511084 | Uploaded Date | : 23-JUN-2023 |
| Type | : Letter | Uploaded File | : 4120230623161055.rar |
| Subject | : Forwarding the project proposal for dissemination of product (kiln) developed in pottery area reg¿ | | |
| Uploaded | : DO NAGPUR MAHARASHTRA | | |

Document uploaded to the following Offices

| Sr No. | Uploaded to | Sr No. | Uploaded to |
|--------|---------------------------|--------|-------------|
| 1 | HQ SCIENCE AND TECHNOLOGY | | |
| 2 | ZO WEST ZONE (WZ) | | |



R. V. Mahindrakar
Director



खादी और ग्रामोद्योग आयोग
(सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय, भारत सरकार)
KHADI AND VILLAGE INDUSTRIES COMMISSION
(Ministry of Micro, Small & Medium Enterprises, Govt. of India)
विभागीय कार्यालय, नागपुर
DIVISIONAL OFFICE, NAGPUR-440 018

No: DON/S&T/R&D/Dessemination/2023-24/

Dt: 20/06/2023

To,
The Director (S&T),
Khadi and Village Industries Commission,
Mumbai – 56

Sub: Forwarding the project proposal for dissemination of product (kiln) developed in pottery area reg...

Ref: Email dated June 15th 2023 from project in-charge.
Sir,

This office has received project proposal namely dissemination & demonstration of S & T Project 'eco-friendly gas fired kiln for qualitative cost-effective production of pottery products' from Shri Govind Gramin Wa Shakari Vikas Sanstha for funding by Khadi & Village Industries Commission (KVIC).

The project proposal along with ITR is enclosed herewith for necessary action at your end please.

Thanking you.

Encl: As above

Yours faithfully,

Director 20/06/2023

Copy to:- The Dy. CEO (WZ) C.O. KVIC, Mumbai-56.

Director



ॐ Shri Govind Gramin Wa Shahri Vikas Sanstha

Reg. No. F-6712

Office : Near Sub Post Office Ramnagar, Wardha - 442001
 Contact : 9822201210, 8087102695

Ref. no.

Date :

Date-15/06/23

Divisional DirectorKVIC, Nagpur-440001 (M.S)

SUB- Submission of S&T project of S & T Project of “Dissemination & Demonstration of Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products.”

Respected Sir,

We are enclosing a research proposal titled **S & T Project of “Dissemination & Demonstration of Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products”** From **Shri Govind Graminn Wa Shakari Vikas Sanstha** for evolution and funding by Khadi & Village Industries Commission (KVIC).

Hence to provide range of opportunities to artisans of different cluster of pottery, we hope that the proposal is in order and we will be happy provide any other further information if required.

Thanking You.

Yours Sincerely,

PRESIDENT

**Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA**

(Ref: S.O. No.1739 Dt 29.06.2015)

DIRECTORATE OF SCIENCE & TECHNOLOGYOFFICE OF THE COMMISSIONER KVI"GRAMOGAYA"3, IRLA ROAD, VILLE-PARLE (W)MUMBAI - 400056I-Part-A

| | | | | | | | | |
|------------------|--|--|------------------|------------------------------|------------------|----------------------|------------------|-----------------------------------|
| 1 | Name of the Institution / Individual | ShriGovindGraminWaShahariVikasSanstha | | | | | | |
| 2 | Institutional structure/Registration Details | <p>- Management team</p> <table border="1"> <tr> <td>President</td><td>Mr.Pramod G.Choudhari</td></tr> <tr> <td>Secretary</td><td>Sunita D.Kene</td></tr> <tr> <td>Treasurer</td><td>Mr.Ravindra D.Morankar</td></tr> </table> | President | Mr.Pramod G.Choudhari | Secretary | Sunita D.Kene | Treasurer | Mr.Ravindra D.Morankar |
| President | Mr.Pramod G.Choudhari | | | | | | | |
| Secretary | Sunita D.Kene | | | | | | | |
| Treasurer | Mr.Ravindra D.Morankar | | | | | | | |
| 2.a | Legal status | Registered society under Society Registration Act , 1860 | | | | | | |
| 2.b | Date of Registration | 06/04/2011 | | | | | | |
| 2.c | Registered Address | Near sub post office, Ramnagar Wardha-442001 Maharashtra | | | | | | |
| 2.d | Office Address / location | Near sub post office beside jai Mahakali Hardware, Ramnagar, Wardha-442001 , Maharashtra Phone-9372201210 , 9822201210 , 8087102695 E.mail- pramodchaudhariwardha@gmail.com | | | | | | |

| | | |
|-----|---|--|
| 2.e | Affiliated to KVIC | NO |
| 3 | Validity date of Registration | N.A. |
| 4 | Name & designation head of the organization | Mr.Pramod Govindrao Choudhari Designation- head of Organization (President) Mobile no-9372201210, 982221210 |
| 5.a | (A) Name, Designation of the Project Coordinator | Prof. A. K. Gupta <i>Annexure -1</i> |
| | (B) Name, Designation of the –Co Project Coordinator | Mr. Vivek Masane <i>Annexure-2</i> |
| 6 | Background of organization: | The Sanstha is engaged in Development activities in the field of Village craft & Industries. Sanstha is having the machines & infrastructure to carry out the designing and construction of proposed kiln construction activities. |
| 6a. | Experience in R&D work in KVI sector and micro-enterprise and entrepreneurship development need to be given separate sheets (detail work done in other areas need not be given) | 1. The Sanstha is carrying out the In-depth Professional activities for development of Village Sector from last eight years. 2. Recently completed a project of S&T KVIC on “Designing and Developing Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products.” <i>Annexure- 3</i> |

| | | |
|--------|---|---|
| 6b. | Infrastructure facilities and expertise available (given details) | All machine and equipments along with manpower are available for fabrication R&D manufacturing of kilns. List of machines are given in Annexure- 4 |
| 6- c . | Detail of completed and ongoing projects during last 3 years | Completed a project on: “Designing and Developing of Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products”. |
| 7 | District / Area to be taken up for the project | Area for Dissemination Mumbai (Dharavi) M.S, Varanasi UP and Hyderabad Telangana. |
| 8 | Location of project Implementation and detail thereon | Dahegaon (Miskin), Wardha-442001, M.S. |
| 9 | If any development activities have been done in the proposed location prior to submission of the proposal by the project Co-Ordinator or the organization, the detail may be given in brief | A completed a project of S&T KVIC on “Designing and Developing Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products” Annexure-3 |
| 10 | Detail infrastructure of the organization | Covered Area of ...3000 sq, feet and open area of 20000 sq. ft. |

II- PART -B

| | | |
|----------|---|--|
| 1 | Title of the R & D Project: | “Dissemination & Demonstration of Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products.” |
| 2 | Objectives of the proposed studies | <p>2.1 Dissemination and demonstration of Technology.</p> <p>2.2 To reduce the drudgery of Rural Potters during loading, Unloading & firing of the Traditional kilns, from hot environment around the kiln & Air pollution problems during wood / dung / straw firing.</p> <p>2.3 To enable higher temperature inside the kiln of around 850°C & to achieve temperature uniformity inside the kiln for production of Stoneware terracotta resulting lower rejections in comparison to their existing traditional kilns. Also to increase cleanliness around the kiln.</p> <p>2.4 Finally, to keep intact the inherent feelings of Potters and love towards Traditional kilns. And to increase cleanliness around the kiln. Finally, the increase of living's standard.</p> |
| 3 | Justification for the Project based on the assessment of the existing resources and Infrastructure. | <p>3.1.) A fully functional Mechanical workshop is already available with the Organization.</p> <p>3.2. Work shed and related Infrastructure, for carrying out the fabrication activities, is available with the organization..</p> <p>3.3.) Necessary Machines & Tools required to execute the project are available with the Organization along with the skilled manpower and trainers.</p> <p>3.4. Necessary Green products, to be used for testing of proposed kiln to be developed, are available under his running project of KVIC – Jigger Jolly Technology Implementation Project in the institute.</p> |
| 4 | The availability of Proposed Technology / Intervention in the field / Market etc.. | <p>4.1. Studio Pottery Electric kilns are available, but they are very costly and require 3-phase 12 to 15 kilowatts</p> |

| | | |
|---|--|--|
| | | <p>connections, which is beyond capacity of poor potters, the firing cost is also extremely high for low-cost Red clay Pottery like diyas, Kulhadrs etc.</p> <p>4.2. Therefore, it has been opined to disseminate and demonstration of newly developed Gas fired kiln under S & T Project no. S and T/18/10/2021-S&T - KVIC-HQ/2020-21</p> |
| 5 | Level of work done so far (review of Literature of the proposed R&D.) | <p>5.1.Successfully Completed “Designing and Development of S & T Project of Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products.” Under S&T project. Annexure-3</p> |
| 6 | Relevance, usefulness, and justification of the proposed Work to KVIC sector in term of economy, efficiency, productivity, quality, raw-materials utilization etc. | <p>6.1 This will be cost effective in production of red clay pottery wares.</p> <p>6.2 The proposed S&T activity will be appropriate to the specific class of Potter’s group, which is urgently needed by around 75% of pottery community for their economical enhancement of profit through quality improvement and reduction of rejections. etc. AS observed, they need about 30 cubic ft to 35 cubic ft of inside dimensions for quantitative & Qualitative production for repeated uniformity in production, development directly benefit income levels of potters.</p> <p>6.3 It will drastically reduce the rejection in production.</p> <p>6.4 It will improve the quality of wares up to export level.</p> <p>6.5 The kiln is designed considering the locally available material making it very easy for a potter to source the material required for the building the kiln.</p> <p>6.6 No fabrication expertise or dependency on professionals is required for building this making it very convenient for a potter to replicate this model.</p> |

| 7 | Time schedule (Months wise Action Plan) for implementing the Project. | <p>12 Months plan has been furnished.</p> <table border="1" data-bbox="722 270 1437 967"> <thead> <tr> <th data-bbox="722 270 926 348">Month wise plan</th><th data-bbox="926 270 1437 348">Activities</th></tr> </thead> <tbody> <tr> <td data-bbox="722 348 926 496">1st month</td><td data-bbox="926 348 1437 496">Survey of three selected Rural Pottery cluster in India Mumbai (Dharavi), Varanasi (UP), Hyderabad Telangana</td></tr> <tr> <td data-bbox="722 496 926 623">2 – 4th months</td><td data-bbox="926 496 1437 623">Arrangement of Kiln Constructional Materials in respective clusters.</td></tr> <tr> <td data-bbox="722 623 926 728">5-9th month</td><td data-bbox="926 623 1437 728">Construction & Demonstration of kiln in respective three clusters in each month.</td></tr> <tr> <td data-bbox="722 728 926 876">10-11th month</td><td data-bbox="926 728 1437 876">Follow up & checkup of the problems if any and final demonstration of technology.</td></tr> <tr> <td data-bbox="722 876 926 967">12th month</td><td data-bbox="926 876 1437 967">Preparation and submission of completion of Project Report.</td></tr> </tbody> </table> | Month wise plan | Activities | 1st month | Survey of three selected Rural Pottery cluster in India Mumbai (Dharavi), Varanasi (UP), Hyderabad Telangana | 2 – 4th months | Arrangement of Kiln Constructional Materials in respective clusters. | 5-9th month | Construction & Demonstration of kiln in respective three clusters in each month. | 10-11th month | Follow up & checkup of the problems if any and final demonstration of technology. | 12th month | Preparation and submission of completion of Project Report. |
|-----------------|--|---|-----------------|------------|-----------|--|----------------|--|-------------|--|---------------|---|------------|---|
| Month wise plan | Activities | | | | | | | | | | | | | |
| 1st month | Survey of three selected Rural Pottery cluster in India Mumbai (Dharavi), Varanasi (UP), Hyderabad Telangana | | | | | | | | | | | | | |
| 2 – 4th months | Arrangement of Kiln Constructional Materials in respective clusters. | | | | | | | | | | | | | |
| 5-9th month | Construction & Demonstration of kiln in respective three clusters in each month. | | | | | | | | | | | | | |
| 10-11th month | Follow up & checkup of the problems if any and final demonstration of technology. | | | | | | | | | | | | | |
| 12th month | Preparation and submission of completion of Project Report. | | | | | | | | | | | | | |
| 8 | Implementing methodology in brief (Step wise) | <p>8.1. As per previous project organization conduct demonstration work shop on kiln In which artisan from Varanasi (UP), Hyderabad (Telangana), Mumbai (Dharavi) participates and requested to transfer the developed technology to there cluster implemented by KVIC.</p> <p>8.2. Survey of Rural Pottery clusters in India and selection of three clusters in India after a visit of Pottery clusters Varanasi (UP), Hyderabad (Telangana), Mumbai (Dharavi) etc. Then finalization of three clusters with due coordination of KVIC.</p> <p>8.3. Arrangement of Kiln Constructional Materials in respective clusters.</p> <p>8.4. Construction & Demonstration of kiln in respective three clusters in each month.</p> <p>8.5. Follow up & checkup the teething problems if any and final demonstration of technology.</p> <p>8.6. Preparation and submission of final completion Project Report.</p> | | | | | | | | | | | | |
| 9 | Potential areas identified for Promotion of Micro-Enterprises. | Rural areas near by Urban districts. | | | | | | | | | | | | |

| | | |
|-----|---|--|
| | | |
| 10 | Scientific and Technical interventions envisaged. Thermal efficiency | <p>This S&T Project for the Dissemination and demonstration of Cost- Effective Qualitative Kiln is to ensure thermal efficiency around 40% in comparison to 20 % of Traditional kiln as well as the following: -</p> <ul style="list-style-type: none"> 10.1. Ability to achieve Uniform Qualitative Reproducibility: Quality of Product will be improved by achieving same firing conditions repeatedly especially for Red Clay Products. 10.2. Reduction in Human drudgery / fatigues during Firing of Red Clay Products through ease operating the kiln. 10.3. Increase productivity by reducing the firing rejections / breakages by around 10%. 10.4. Earning of Potters through reducing the breakages / Rejections & improving the quality of products. 10.5. Product diversification from Fragile (Low strength) Earthenware Red Clay Pottery to Higher strength Stoneware Red Clay Pottery. -through capability of firing at higher temperatures than traditional age-old kilns. 10.6. Efficient Use of Raw materials through reducing the processing breakages and thus reducing the recycling of materials in manufacturing process. 10.7. Maintaining the Existing Elements of Skill & inherent emotion to Traditional Potters. Finally, the Social status and standard of Living through maintaining the Pollution free Environment & Cleanliness with lowest rejections in the Pottery making place <p>Thus, the Project has been taken, Which has not been taken since Independence.</p> |
| 11 | Training Program envisaged. | <ul style="list-style-type: none"> ❖ Three locations field trial |
| 12. | Linkages envisaged | <ul style="list-style-type: none"> ❖ With different R& D Institutions and the clusters of Rural Potter's community. |

| | | |
|----|---|---|
| 13 | Follow up Mechanism envisaged to tap fullest benefit of R&D | <ul style="list-style-type: none"> ❖ Documentation and knowledge management. ❖ Evaluation and feedback loops. ❖ Cross-functional collaboration. ❖ Commercialization. ❖ Internal communication and knowledge sharing. ❖ Monitoring and benchmarking. |
| 14 | Expected Output of the Project. | <p>14.1. Improvement in earning of Rural/ Urban potters.</p> <p>14.2. Environmentally friendly firing</p> <p>14.3. Reduction of Human drudgery in operational activities during firing the kiln.</p> <p>14.4. Reduction in Rejection and improve the quality.</p> <p>14.5. Reduction of pollution while firing and making kiln suitable as per pollution control norms.</p> <p>14.6. Adaptability by the new generation of Potters community will be very easily and socially acceptable.</p> |
| 15 | Exit Strategy (Plan after completion of the Project) | <ul style="list-style-type: none"> ❖ The Organization will be Centre of Excellent for training & demonstration brand for Techno-Economical development of the potters. ❖ Adoptability by the new generation of Potters community will be very easily and socially acceptable. ❖ Mobilization of the Developed Kiln and Entrepreneur's development. ❖ Making data and contacts of local vendors available to local potters |
| | | |

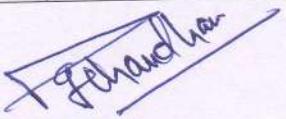
16.

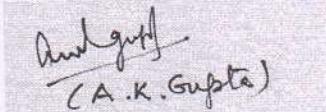
| Sr. No. | Item of Expenditure | | Total for One year Rs in lacs |
|---------|---|------|----------------------------------|
| 1 | Manpower | | 5.97 |
| 2 | Travel to three clusters and stay at three clusters for three months including Travelling, Lodging and boarding for three personals along with skilled mason. | | 2.50 |
| 3 | Raw materials for kiln construction at three clusters | | 3.00 |
| 4 | Contingencies /Overheads | 10 % | 1.147 |
| | Sub Total | | 12.617 |
| | Institutional Charges | 13% | 1.64021 |
| | Grand Total | | 14.25721 |

Require budget-Rs14,25721/-

*Budget break up with justification is being in Annexure -5

| | | |
|-----|---|--|
| 18 | Certificate of Endorsement from the Head of the Institution | Attached as <u>Annexure -6</u> |
| 19. | Submission of Progress Report | Quarterly and annually report will be submitted as per annexure -IV) |


PRESIDENT
*Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA*


*Anil Gupta
(A.K. Gupta)*

| | |
|--|---|
| Name & Signature of the Head of the Institution / Agency | Name & Signature of the Project Coordinator |
|--|---|

Date:

Place:

Recommendation of

State Director / Divisional Director:

Signature
State Director/ Divisional Director

Annexure-1

**Awarded by CM -U.P. State
Terracotta Artisan Award**

Curriculum Vitae---A. K. GUPTA

1. Name : Anil Kumar Gupta
2. Date of Birth : 16.12.1942
3. Address for Communication: C/o DrGauravGupta
C-1 Vikram Colony,
Ramghat Road. Alighar-202001 (U.P.). INDIA.
4. Contacts Mobil / E-mail : 09358577775,anilgupta1942@yahoo.com
5. Knowledge of Language : Hindi, English, Japanese (Speaking only)
6. Educational (from school leaving certificate onward)

| Sr.no. | Particulars | Year of Passing | University |
|--------|-----------------------------|-----------------|--------------------------------------|
| 1. | Bachelor of Science (B.Sc.) | 1961 | Agra University |
| 2. | B. Tech. (Ceramic Eng.). | 1965 | Banaras Hindu University. Varanasi |
| 3. | F.I.I.Ceram | 2002 | Indian Institute of Ceramics Kolkata |
| 4 | Adj. Professorship | 2015 | Mangalayatan University, Aligarh |

7. Professional Training for Specializations

| Sr.No. | Organization | Period | Details of Training |
|--------|--|----------------|---|
| 1 | M/s Hirosho Seito Co, Nagoya (Japan) | 2 Yrs | Manufacturing of Ceramic Tiles |
| 2 | UNIDO-CZECH Programme on Red Clay Tech. at Czech Republic | 45 days | <i>Productions of Glazed Red Clay Products</i> |

8. Employment Record

| Sr. No | Branch of Ceramic Industry | | Post held | Area of control |
|--------|--|----------|------------------------------|-------------------------------|
| 1 | Premier Enamel works, Aligarh (Glass Coating Unit) | 1965-66 | Production Manager 1yrs | Production of frits & Coating |
| 2 | M/s Hirosho Seito Co. Nagoya. Japan (Ceramic Tiles) | 1966-69 | Engineer Trainee 2yrs | Production |
| 3 | Planning research & Action Institute U.P.Govt.(Chinhat Pottery, Lucknow) | 10970-71 | Production Manager 1 year | Production |

| | | | | |
|-----|--|---------------------|---|--|
| 4 | Premier Potteries, Aligarh.(Table wares- Ceramics) | 1971-82 | Production Manager 10 yrs | Production & Quality Control |
| 5 | Central Glass & Ceramic Research Institute, Khurja (U.P.) CSIR Lab,(Dept. Of Science & Tech.)- | 1982-2002 | Dy. Scientist- In-charge 20 Yrs | R/D activities in the field of Glass & Ceramics |
| 6 a | All India Rural Pottery Project (Dept of Science & Tech-Govt, of India | 1986-88 | Team In-charge 2 years | R/ D acivities& Training to Rural Potters |
| 6 b | UNDP-KVIC Pottery Project (Khadi& Village Industries Commission.) | 2002-05 | National Pottery Consultant 3 yrs | <u>Rural Pottery & Potters.</u> |
| 7 | UNIDO-DIPP Cluster Development Project.-Khurja&Morbi. | 2004 | National Expert (Appraisal) -180 days 180 days | Energy Audit in Ceramic Kilns & Appraisal |
| 8 | CGCRI-SAIL Programme on Ceramic Tunnel Kilns | 2006 | Ceramic Kiln Consultant – 30 days | Retrofitting of Tunnel kilns |
| 8 | GTZ-Her majesty of Nepal Project on Rural Pottery, Cluster Development Programme | 1999-01 | Project Consultant – 90 days 90 days | <u>Development of Rural Pottery & Potters</u> |
| 9 | Electrical Ceramics Research & Development Center, Bikaner, Govt. of Rajasthan | 2006-07 | Founder Consultant 180 days | Setting of equipment& other administrative works |
| 10 | College of Engineering & Technology. Bikaner. (Rajasthan) | 2007-11 | 1. Founder head of Red Clay Tech. department& Ceramic Engg.-4 Yrs | <u>Education & Research works</u> |
| 13 | Mahatma Gandhi Institute of Rural Industrialization, Wardha.(Maharashtra) | 2014-17 | 10 days per month for one year, and two more projects | <u>Senior Consultant (Red Clay Tech.)</u> |
| | Awarded by CM -U.P. State Terracotta Artisan Award | 2017-18 | By Handicraft Ministry | As a Master craft man |
| 14 | 1. Simpolo Vitrified Pvt Ltd, Morbi | Aug.2017 onwards | 6 days per month | <i>Ceramic Consultant</i> |
| | 2. Golcha Minerals Group, Jaipur | Sept. 2018 on wards | | |

10. International Conferences Organized:

- ❖ World Conference of Glass 1985. New Delhi – Team Member
- ❖ International Clay Seminar at Bikaner in 2004 – Consultant
- ❖ International conference on Energy Efficient materials in Ceramics 2011 as Chairman, Technical session.

11. Papers / Books Published:

- | | |
|---|---|
| <ul style="list-style-type: none"> ❖ National Journals <u>India</u> ❖ International Papers | <p><u>27 nos (About Ten papers on Red Clays available in India)</u></p> <p><i>11.1.Hand Book on Downdraft Kilns At CGCRI., Khurja</i></p> <p><i>11.2. Hand Book on Rural Pottery Under UNDP-KVIC Pottery Project</i></p> <p><i>11.3.Bikaner Clays under Clay Seminar-2004 (Industrial Prospects of Clay & Ceramic Minerals) Bikaner.</i></p> |
|---|---|

11.4. Washing of Kaolins under Clay Seminar-2004 (Industrial Prospects of Clay & Ceramic Minerals)

12. DETAILS OF RESEARCH WORK

- 12.1. Retrofitting /Designing& Development of Tunnel kilns to replace the Coal fired Down Draft Kilns for cost effective production. - CSIR-SAIL Project
- 12.2. Process Released :For commercial utilization through NRDC – Single Fired, Red Clay based on Matt Glazed Tiles for flooring & facing to Six parties.
- 12.3. Designing & Development of Red Clay based Filter candles under GTZ project at Nepal for the development of Rural Potters of Village Bhaktapur.
- 12.4. Development of low-maturing bodies & matching glazes for production of once fired stoneware crockery, with an emphasis on utilization of locally available purified Bela clay (sponsored by M/s Gwalior Potteries, Gwalior)
- 12.5. Development of mechanically strong and thermally shock resistant Red Clay based liners for Improved Red Clay based Chulhas (Sponsored by MNES, New Delhi).
- 12.6. Designing & Development of fuel efficient ceramic lined metal-clad portable Chulhas “SHAMBHU 7 SONA – R” (sponsored by MNES, New Delhi).
- 12.7. Development of Process Technology for production of Terracotta tiles from clays available in Bharatpur (Raj.) (Sponsored by Asian Centre for organization Research Development, New Delhi).
- 12.8. Development an Appropriate Technology for production of Terra-cotta wares (All India Co-ordinated Programme on Pottery) (Sponsored by DST, New Delhi & Co-ordinated by C.T.D., New Delhi) and setting up S & T Field Units at Mandi (H.P.), Agartala (Tripura) & Kanyakumari (Tamilnadu).
- 12.9. Designing & Development of Low Mass kilns.(Sponsered by DST. New Delhi)
- 12.10. Improvement in Quality & Productivity of Black Pottery of Nizamabad (U.P.).(Sponsored by Director of Industries, U.P.)
- 12.11. Modernization in white ware Industries in Khurja. (Sponsored by Directorate of Industries (U.P.).
- 12.12. Designing & Development of Portable Oil Fired Kiln . (Sponsored by Directorate of Industries U.P.). For artisans Of Rural Pottery Manufacturers & for the artisans of Glass Beads
- 12.13. Designing & Development of Low cost gas fired kiln and the Dry process for Body mix for Red clay artisans –as shown below
- 12.14. Development of Technology for the Rural Potters below Poverty Line at MGIRI, Wardha.
- 12.15. Development of Vitrified Terracotta for Hot and Cold foodstuff specifically for Ayurvedic Medicines. At MGIRI, wardha.

Anil Gupta

Annexure-2**Curriculum - Vivek Masane**

1. Name : Vivek Masane
 2. Date of Birth : 31/10/86
 3. Address for Communication: : Rastrabhasha road, sanewadi wardha-442001 M.S
 4. Contacts Mobil / E-mail : 80871002695, vivek.masane@gmail.com
 5. Knowledge of Language : Hindi,Marathi, English, (Speaking only)
 6. Educational (from school leaving certificate onward)

| Sr.no. | Particulars | Year of Passing | College / University |
|--------|-----------------------------------|-----------------|----------------------|
| 1. | SSC | 2004 | Nagpur |
| 2. | ITI | 2006 | Mumbai |
| 3. | Diploma in mechanical engineering | 2011 | MSBTE |
| 4 | Advance diploma industrial safety | 2014 | MSBTE |

| 7. | Professional Training for Specializations | Period | Details of Training |
|----|--|-----------------|-------------------------|
| | Center for social development ,Kanyakumari(TN) | 20Jan-18Feb2020 | Jigger & Jolly training |

8. Employment Record

| Sl.No | organization | | Area of control |
|-------|--|------------------------------|-----------------|
| 1 | Mahatma Gandhi Institute of Rural Industrialization, Wardha.(Maharashtra) | Project Technical Assistance | Wardha ,(M.S) |
| 2 | ShriGovindGraminaShahriVikashsantha, Wardha | Project Associate | Wardha ,(M.S) |

Detail OF RESEARCH WORK

- 10.1. Development of Technology for the Rural Potters below Poverty Line at MGIRI, Wardha.**
- 10.2. Development of Vitrified Terracotta for Hot and Cold foodstuff specifically for Ayurveda Medicines. At MGIRI, Wardha.**
- 10.3. Development of energy efficient kiln, submitted for patent at MGIRI wardha.**
- 10.4. Development of home scale bunger machine, submitted for patent at MGIRI wardha.**
- 10.5. “Designing and Developing Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products”**

Vivek Masane

Annexure-4

Annexure- IV

(Ref S.O.No.1739:29.06.2015)

DIRECTORATE OF SCIENCE & TECHNOLOGY
Office of the Commissioner for Khadi & Village Industries
"Gramodaya" 3.Irla Road, Vile-Parle(W)
MUMBAI-400056

Final Progress Report as on Feb 2023

| | | |
|---|---|--|
| | Name of Implementing Agency | Shri Govind Gramin Wa Shahari Vikas Sanstha |
| 1 | Address | Near sub post office beside Jai Mahakali Hardware, Ramnagar wardha-442001 |
| | Telephone | 9372201210, 9822201210 |
| | E-mail | pramodchaudhariwardha@gmail.com |
| | Name of Project Coordinator | Prof.A.K.Gupta |
| 2 | Address | C-1 Vikram colony, Ramghat road, Aligrah-202001 U.P |
| | Telephone | 9358577775 |
| | E-mail | anilgupta1942@yahoo.com |
| 3 | Detail of sanction project Title | "Designing and Developing of Eco-friendly Gas fired Kiln for Qualitative Cost-effective Production of Pottery Products." |
| | Objectives | - Designing of an efficient kiln of 1 cubic Meter - Designing and standardization of the internal dimensions of kiln, to be appropriate and thermal efficient to the combustion system. |
| | Duration | 24 month |

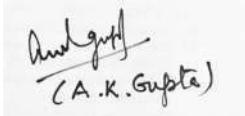
| 4 | The grant sanctioned and expenditure | | | |
|----------|---|---|--------------------------|--|
| | Heads | Amount sanctioned | Expenditure | |
| | Man power | Rs. 6,19,000.00 | Rs.6,93,000.00 /- | |
| | Equipment/Raw material | Rs. 4,18,300.00 | Rs.5,16,978.00 /- | |
| | Travels | Rs. 75,000.00 | Rs.35,985 /- | |
| | Training programmers | Rs. 78,800.00 | Rs.45,457/- | |
| | Contingencies | Rs. 51,900.00 | Rs.19,838 /- | |
| | Institutional charges | Rs. 161600.00 | Rs.93,242.00 /- | |
| | Total | Rs. 14,04,500/- | Rs.14,04,500 /- | |
| 5 | Budget demand for next year | May not be required | | |
| 6 | Physical progress as on date | <ol style="list-style-type: none"> 1. Fabrication of 2 separate Pottery kilns, 1 with Iron structure and another with ceramic fiber modules with the capacity of 1 cubic meter are constructed. 2. All the fabrication/construction material used to build Pottery kiln is sourced locally like Red Clay bricks and ceramic fiber blankets. 3. Different types of gas burners with various capacities have also been tested. 4. Kiln Test Data have been generated and the results have been furnished in Annexure 1. The Thermal efficiency has been estimated to be 20.00%. | | |
| 7 | Prototype developed (if applicable) | <p>Two structures are developed Annexure 1</p> <ol style="list-style-type: none"> 1. Iron structure Kiln 2. Brick structure Kiln | | |
| 8 | Technology developed (if applicable) | Annexure 1 | | |
| 9 | Laboratory scale trials Undertaken if applicable | Furnished in Annexure 2 | | |

| 10 | Design & technical specifications developed With drawings/photographs | Furnished in Annexure 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|-----------------------|--|--|--|-----------|-----|-------|---|-----------------------------|----|-----|------|--------------------------------|----|-------|--------|---|----|-----|-------|---------------------------------------|----|------|-------|---|----|------|-------|--|----|-------|--------|---|----|------|-------|--|----|--------|--------|--|--|--|--------|--|--|--|---------------|
| 11 | Data collection & its analysis | Furnished in Annexure 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | The estimated thermal analysis data for our prototype developed Furnace has been calculated as shown below. The standardization with these data is in progress. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th colspan="4">Energy Balance</th> </tr> <tr> <th>Parameter</th> <th>UOM</th> <th>Value</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Net input energy per firing</td> <td>MJ</td> <td>573</td> <td>100%</td> </tr> <tr> <td>Heat loss in dry flue gas (L1)</td> <td>MJ</td> <td>106.5</td> <td>18.59%</td> </tr> <tr> <td>Heat loss due to formation of H₂O from H₂ in fuel (L2)</td> <td>MJ</td> <td>2.9</td> <td>0.51%</td> </tr> <tr> <td>Heat loss due to moisture in air (L3)</td> <td>MJ</td> <td>14.2</td> <td>2.47%</td> </tr> <tr> <td>Heat loss due to moisture in payload (L4)</td> <td>MJ</td> <td>18.2</td> <td>3.18%</td> </tr> <tr> <td>Heat loss due to radiation and convection from side (L5)</td> <td>MJ</td> <td>172.4</td> <td>30.09%</td> </tr> <tr> <td>Heat loss due to radiation and convection from top (L6)</td> <td>MJ</td> <td>46.8</td> <td>8.17%</td> </tr> <tr> <td>Heat loss due to storage by the refractories and radiation and convection from bottom (L7)</td> <td>MJ</td> <td>102.54</td> <td>17.90%</td> </tr> <tr> <td></td> <td></td> <td></td> <td>80.92%</td> </tr> <tr> <td colspan="3">Estimated Thermal efficiency of the gas fired kiln with ceramic modules</td><td>19.08%</td></tr> </tbody> </table> | | Energy Balance | | | | Parameter | UOM | Value | % | Net input energy per firing | MJ | 573 | 100% | Heat loss in dry flue gas (L1) | MJ | 106.5 | 18.59% | Heat loss due to formation of H ₂ O from H ₂ in fuel (L2) | MJ | 2.9 | 0.51% | Heat loss due to moisture in air (L3) | MJ | 14.2 | 2.47% | Heat loss due to moisture in payload (L4) | MJ | 18.2 | 3.18% | Heat loss due to radiation and convection from side (L5) | MJ | 172.4 | 30.09% | Heat loss due to radiation and convection from top (L6) | MJ | 46.8 | 8.17% | Heat loss due to storage by the refractories and radiation and convection from bottom (L7) | MJ | 102.54 | 17.90% | | | | 80.92% | Estimated Thermal efficiency of the gas fired kiln with ceramic modules | | | 19.08% |
| Energy Balance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parameter | UOM | Value | % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Net input energy per firing | MJ | 573 | 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat loss in dry flue gas (L1) | MJ | 106.5 | 18.59% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat loss due to formation of H ₂ O from H ₂ in fuel (L2) | MJ | 2.9 | 0.51% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat loss due to moisture in air (L3) | MJ | 14.2 | 2.47% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat loss due to moisture in payload (L4) | MJ | 18.2 | 3.18% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat loss due to radiation and convection from side (L5) | MJ | 172.4 | 30.09% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat loss due to radiation and convection from top (L6) | MJ | 46.8 | 8.17% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat loss due to storage by the refractories and radiation and convection from bottom (L7) | MJ | 102.54 | 17.90% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 80.92% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Estimated Thermal efficiency of the gas fired kiln with ceramic modules | | | 19.08% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Summary of work done as on date | <ol style="list-style-type: none"> 1. The construction of both type of kiln 1 with the combination of Iron sheet & Ceramic fiber modules and another with the combination of Red clay bricks & Ceramic fiber has been completed and firing trials has also been completed. 2. The Industrial burner and Heating torch have been tested and found suitable for cost effective production of pottery wares. 3. A workshop was conducted on newly developed kiln technology in which the potters from various parts of the country participated. The workshop was dated between 08.02.2023 to 09.02.2023. Report for the same is enclosed as Annexure 3 & Annexure 4. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|----|---|--|
| 13 | Significant findings as on date | <p>1. Newly Designed & Developed Gas fired Pottery kiln is Cost effective as it needs very less materials to construct compared to the ones available in the market.</p> <p>2. Kiln constructing material used are easily and locally available,</p> <p>3. Construction technology used to build the kiln is easily adoptable by potters themselves. The kiln can be made operational and can be controlled by any unskilled member.</p> <p>4. Rejections are much lesser compared to traditional kilns.</p> <p>5. Fuel consumption of developed kiln 10 to 11 kg per firing compare to market available kiln consumption more than 22 kg.</p> <p>6. Thermal efficiency is much higher compared to the market available Gas fired kilns.</p> <p>7. Comparative data and quotes of market available Gas fired kilns are also collected and the compared with the newly Designed/Developed Gas fired Pottery kiln. As a result, the newly designed kiln is much cheaper compared to market available kilns but provides the same result and product quality. Annexure-5.</p> |
| 14 | Recommendation based on outcome (only for final report): | <p>As per Feedback of potter from different region (Dharavi Mumbai, Varanasi UP, Hyderabad Telangana, Bhadravati potter) participate in workshop organize at project location, required Pottery kilns at their centers for field trials. Annexure 4 (feedback).</p> |

| | | |
|----|--|---|
| 15 | <p>The likely impact of the completed work on the scientific /technological potential in the country (This may be attached as enclose):</p> | <ol style="list-style-type: none"> 1. With regards to thermal Efficiency of Kiln. <ol style="list-style-type: none"> a. Heat loss from side, bottom and top walls is lower compared to the traditional Pottery kilns. 2. Regarding Combustion of Fuel <ol style="list-style-type: none"> a. This kiln is Eco-friendly compared to wood fired traditional kiln and possesses precise internal atmospheric control. b. Outer Environmental temperature is lower compared to wood fired traditional kiln. c. Smoke emission is lower than Wood fired traditional kiln. 3. Kiln designs have the following noble features. <ol style="list-style-type: none"> a. Its unique placement of the burners in relation to the internal shape helps it to achieve uniformity in temperature distribution throughout the furnace chamber. b. Top lid is designed with light weight material, c. Design of loading base is unique and cheaper compared to other gas furnaces available in the market. d. Cross draught of hot gases movement in furnace chamber provides more retention time for hot gases resulting in more heat transfer to products. 4. The design of kiln is appropriate, easy to adopt, construct and operate by Rural Potters as well. 5. The design has been developed by incorporating the latest development of fuel & furnace technologies, along with Integrating appropriate Low cost kiln construction materials and energy efficiency techniques while Designing and Development of a Gas fired Pottery kiln. 6. As per feedback from potters ---- appropriate structure for top loading of the small wares is also considered for cross draft movement of hot gases inside the kiln. |
| 16 | <p>As abstract of R&D achievements in about 200-500 words suitable for publication in jagriti:</p> | <p>Not yet. Only after field trials.</p> |

| | | |
|----|--|--|
| 17 | No. of KVIC units accruing the benefits of projects : | To be taken up under field survey and trials. |
| 18 | Additional job generated by these units | Yet to be observed. Though it is planned, the Developed kiln should can be constructed by the potters themselves. |
| 19 | Linkage established | In communication with Nagpur University, MGIRI, Wardha and with Potter's associations of Varanasi, Dharavi (Mumbai), Hyderabad, etc. |
| 20 | Any other special features: | After trial, The brick structure of the kiln can be constructed by the potter themselves. All the details are in Annexure 2. |
| 21 | Photograph of R&D units: | Furnished in Annexure 6. |



(A.K. Gupta)

Project coordinator

Annexure-1

CONTEXT:

Pottery has a long and rich history in India, with evidence of pottery-making dating back to the Indus Valley Civilization (3300 BCE - 1300 BCE). Over time, pottery has become an integral part of Indian culture, with various regions of the country developing their unique styles and techniques.

One of the main uses of pottery in India has been for storage and transportation. Clay pots, jars, and other vessels were used for storing food and water, and for transporting goods. In addition, pottery was also used for religious and ceremonial purposes, such as making idols, lamps, and other decorative items for temples.

Today, pottery remains an important part of Indian culture, with many potters continuing to practice their craft and create beautiful pieces of art. In addition, there is a growing interest in traditional Indian pottery, both within the country and internationally, as people recognize the beauty and value of these unique art forms.

Further, when it comes for the manufacturing technology of the pottery wares, the kiln play a very vital role in the complete process. Under the project initiated by S&T department named "**Designing and developing eco-friendly gas fired kiln Qualitative cost effective production of pottery products**", "**Shri Govind Gramin Wa Shari Vikas Sanstha**" has developed and tested 2 separate structures of 1 cubic meter kiln, first using the Iron metal sheet body and another one using Brick structure replacing the Iron metal sheet. The report mainly focuses on the findings of both the kilns and its results.



ACTUAL DEVELOPMENT:

2 separate structures were developed and tested as follows: -

1. Kiln structure using Iron sheet.
2. Kiln structure using Brick work.

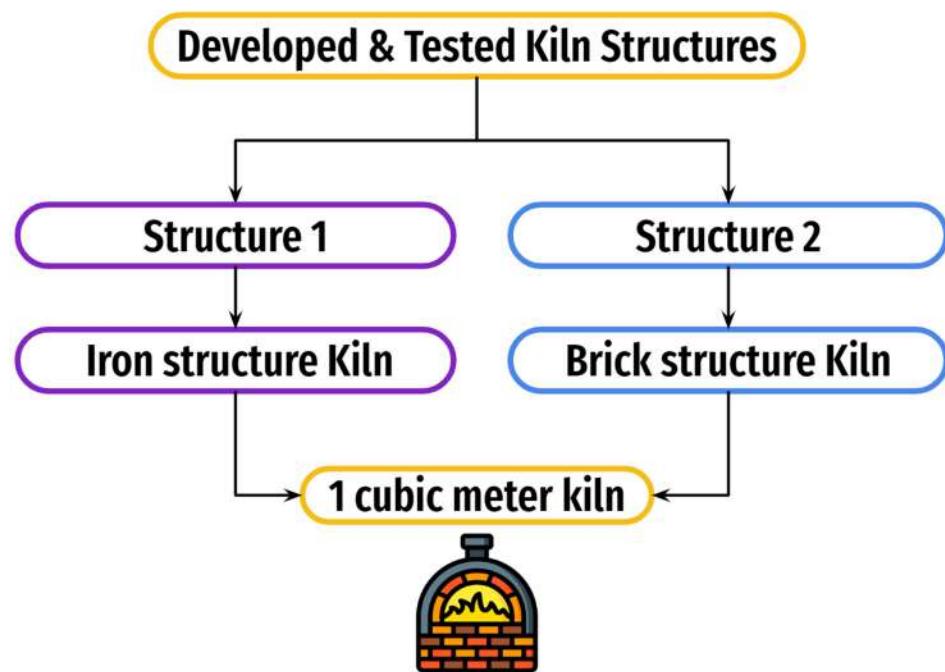


Fig.1: 2 Developed and Tested Structures of Efficient Kiln



Now let us see the fitments and construction process of individual kilns:

1. IRON STRUCTURE KILN

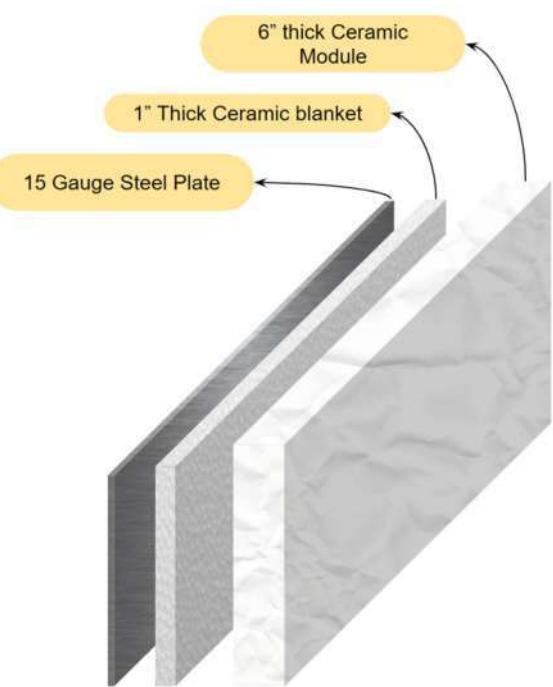


Fig.2: Iron Kiln Appearance and wall layer Structure

- a. Outer structure is manufactured using L angle channels and Mild Steel Sheets of 15 gauge.
- b. The furnace is top loaded.
- c. The wall of the kiln is developed using 3 layers: (Refer Fig. 2)
 - i. The outermost layer is of 15 gauge MS Sheet,
 - ii. The second layer is of 1 inch thick Ceramic Fiber Blanket (density 128 kg/m^3) and
 - iii. The third layer is of 6 inch thick Ceramic fiber Module (density 165 kg/m^3)
- d. Refractory (third layer) is fitted with SS 304 anchor bolts.
- e. Bottom structure of the kiln is fitted with HFK brick to prevent heat losses.
- f. Loading platform is manufactured from castable White K cement.

- g. For proper loading and unloading of pottery wares, SS 304 grade racks are used replacing the costly kiln furniture and these racks are also coated with furnaces wash on the surfaces.
- h. Burner's inlet and chimney are located on the same face/side of Kiln.
- i. Chimney's height is 6 feet and diameter is 6 inches, it is made up of mild steel and is insulated with Fiber tape.
- j. To make the structure easily movable, 4 inch wheels with nylon grip are installed at the bottom of the structure.

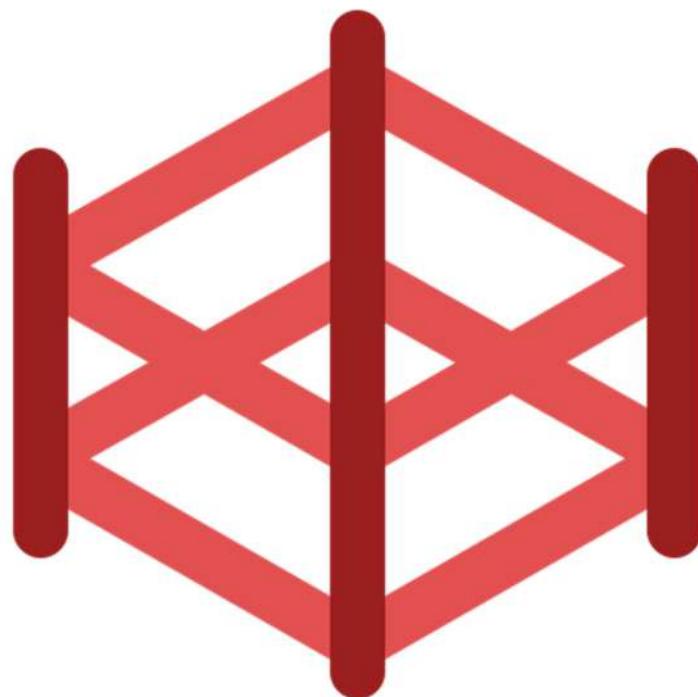


Below are the construction Steps of Iron structures for kiln: -

| Step No. | Explanation | Appearance |
|-----------------|--|--|
| 1 | Outer structure of kiln is manufactured M.S sheet of 15 gauge and angle iron |  |
| 2 | a 1 inch thick Ceramic blanket is fitted using an SS anchor bolt on top of the outer MS Sheet structure. |  |
| 3 | 6 inch thick Ceramic Module is mounted on top of 1 inch Ceramic Blanket in a zig-zag folding manner |  |

4

Rack for holding the pottery wares is made up of 6 mm S.S 304 grade bars and is coated with Thermal epoxy to prevent its wear and tear



2. BRICK STRUCTURE

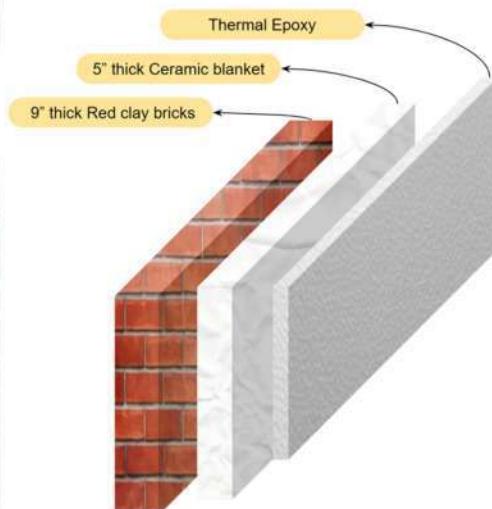


Fig.3: Brick Kiln and wall layer Structure

- a. Outer structure is built using red clay bricks.
- b. The furnace is top loaded.
- c. The wall of the kiln is developed using 3 layers: (Refer Fig. 2)
 - i. The outermost layer is made up of red clay bricks wall of 9 inches,
 - ii. The second layer is of 5 inch thick Ceramic Fiber Blanket (density 128 kg/m³) and
 - iii. The third layer is of thermal epoxy for providing the strength and improving durability
- d. Refractory (second layer) is fitted with MS anchor bolts.
- e. Bottom structure of the kiln is fitted with HFK brick to prevent heat losses and the toughening of the furnace floor.
- f. Loading platform is manufactured from castable White K cement.

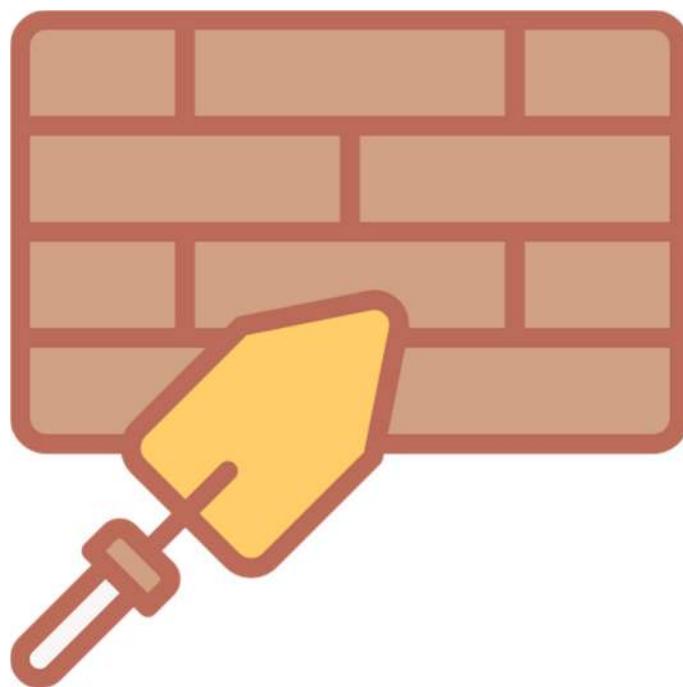
- g. For proper loading and unloading of pottery wares, SS 304 grade racks are used replacing the costly kiln furniture and these racks are also coated with furnaces wash on the surfaces.
- h. Burner's inlet and chimney are located on the same face/side of Kiln.
- i. Chimney's height is 6 feet and diameter is 6 inches, it is made up of mild steel and is insulated with Fiber tape.
- j. The structure is fixed and not movable like the Iron Kiln Structure.

Below are the construction Steps for Brick structure for kiln: -

| Step No. | Explanation | Appearance |
|-----------------|--|--|
| 1 | Construction of burner inlet and chimney outlet in the brick structure kiln. |  |
| 2 | Insulate Chimney outlet using Fiber tape |  |

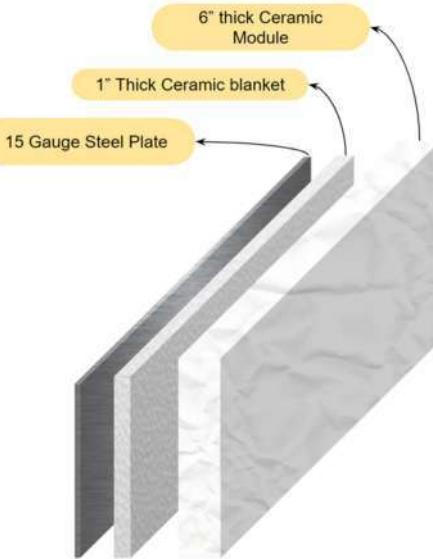
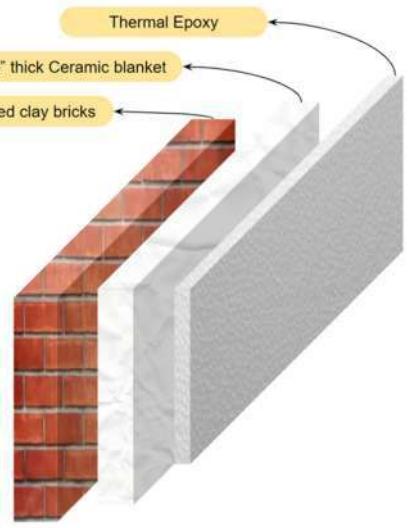
245824/2023/S & T-KVIC

| | | |
|---|--|--|
| | | |
| 3 | Internal Loading structure and side wall of Kiln is coated with thermal epoxy. |  |



245824/2023/S & T-KVIC

COMPARING 2 KILN STRUCTURES:

| Parameters | Iron Body Kiln | Brick Body Kiln |
|-----------------------|---|--|
| Appearance |  |  |
| Layer Appearance |  |  |
| Construction Material | <ol style="list-style-type: none"> Layer 1 - MS sheet Layer 2 - Ceramic Fiber Blanket Layer 3 - Ceramic Fiber Module | <ol style="list-style-type: none"> Layer 1 - Red Clay Brick wall Layer 2 - Ceramic Fiber Blanket Layer 3 - Thermal Epoxy |
| Movable | Yes | No |
| Loading Side | Top | Top |
| Thermal Efficiency | 20.00% | 20.00% |

CAD structure

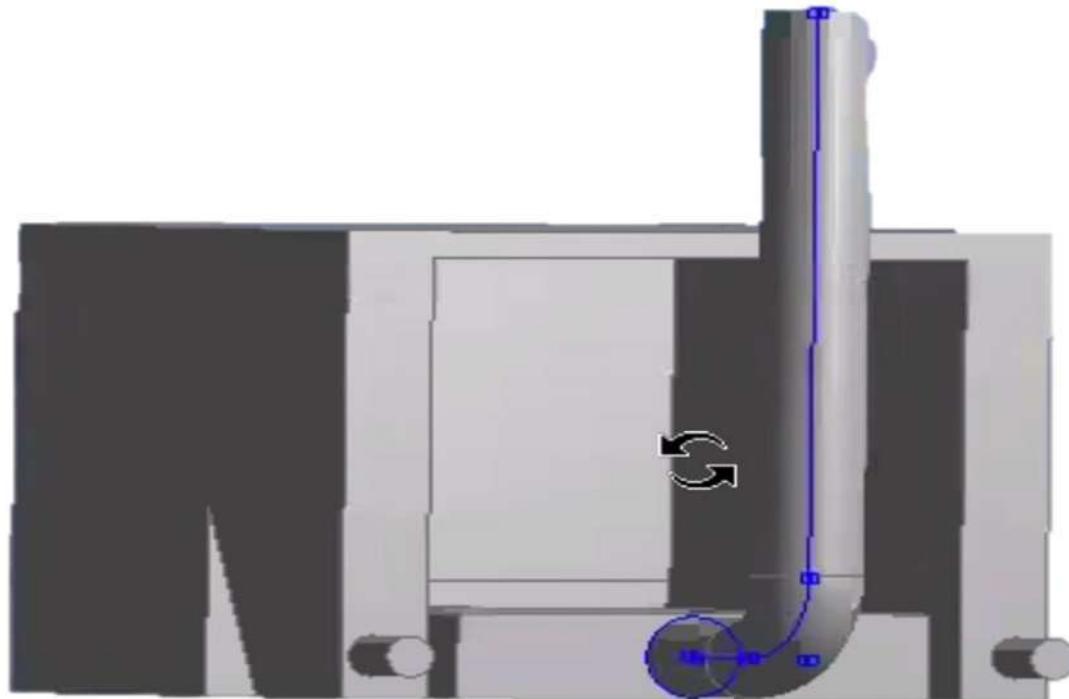


Fig.4: CAD Model of Kiln

Note: As the dimensions for both the structure i.e. Iron and Brick Kiln are exactly the same dimension wise, the CAD design for both the structures is also the same.

Annexure-2

THERMAL ANALYSIS OF THE DESIGNED POTTERY KILN

Below are the various tables mentioning various important parameters and findings of the newly developed Kiln:



1. Dimensions of kiln

| Parameters | Measure | Unit | Measure | Unit |
|-----------------------|-------------|----------|---------|------|
| Length | 1.219512195 | meter | 4 | ft |
| Breath | 0.914634146 | meter | 3 | ft |
| Height | 0.914634146 | meter | 3 | feet |
| Volume | 1.02 | cu meter | | |
| Length | 0.5718 | meter | | |
| Height | 0.762 | meter | | |
| Breath | 0.1524 | meter | | |
| Minus Combustion Zone | 0.066402448 | cu meter | | |

2. Design: Rectangular Kiln

| A | B | C |
|-----------------------|------|--------|
| Parameter | UOM | Values |
| Actual Loading Volume | m3 | 0.954 |
| Inside Volume | m4 | 1.020 |
| Height | feet | 2.50 |
| Chimney Dia | 6 | inch |
| Chimney Height | 2 | m |

3. Dimensions

| | | |
|--|----------------|--------------|
| Minimum Targeted Volume | 0.954 | m3 |
| Rectangular kiln | length | 1.22 |
| | | 48.01 |
| | width | 0.91 |
| | | 36.01 |
| Floor Area | 1728.9 | sq inch |
| Actual floor area after deducting the combustion area | | |
| height of kiln | 0.915 | m |
| | 36.01 | in |
| volume of the kiln | 46699.5 | cu.in |
| Actual loading area deducting combustion space | 46267.5 | cu in |
| Side wall Calculations | | |
| Lengthwise wall- length | 48 | inch |
| width of wall | 9.0 | inch |
| height of wall loading above floor | 36.0 | inch |
| height of wall below floor line for flue line(9"high) & Fuel collecting box (2.25"high-two layers) = 4.5 " | 13.5 | inch |
| Wall thickness of ceramic modules | 0.03 | meter |
| | 1.00 | inch |
| Circumference | 4.27 | m |
| | 168.04 | inch |
| surface area of all walls with ceramic module 6" thick | 3.90 | m2 |
| | 6051.09 | sq inch |
| Top surface area with ceramic module 6" thick | 1.23 | m2 |
| | 1901.62 | sq inch |
| Floor area with red clay bricks 70%) with HFK bricks (30%) | 1.12 | m2 |
| | 1728.88 | sq inch |
| Refractory lining area | 6.25 | m2 |
| Loading area of floor | 1296.88 | sq.inch |

4. Combustion

| Combustion | Fuel: LPG | |
|---------------------|-----------|--------|
| Parameter | UOM | Values |
| Propane | % | 35 |
| Butane | % | 65 |
| Flue gas consumed | kg | 7 |
| LPG combustion rate | kg/hr | 1.4 |
| O2 in flue gas | % | 5 |
| FlueGas density | kg/m3 | 0.65 |
| Excess Air | % | 31 |
| Air to fuel ratio | | 20.28 |
| FlueGas velocity | ft/s | 3.27 |
| Firing temperature | °C | 750 |

| | | |
|-------------------------|----|-----|
| Payload | kg | 150 |
| Flue gas consumed | kg | 5 |
| outlet flue temperature | °C | 300 |

5. Furnace Firing

| Parameter | UOM | Value |
|---|---------|-------|
| LPG GCV | kcal/kg | 10900 |
| LPG consumption at 460 °C | kg/hr | 1 |
| LPG consumption | kg/hr | 2 |
| Initial temperature | °C | 35 |
| Moisture in air | % | 2 |
| Smoking duration | hr | 1 |
| Smoking temperature | °C | 250 |
| Firing duration | hr | 4 |
| Firing temperature | °C | 800 |
| Wall temperature of ceramic fiber modules during firing | °C | 100 |
| Payload | kg | 150 |
| Moisture in clay | % | 3 |
| Furnace outer wall temperature | °C | 70 |
| outlet flue temperature | °C | 350 |

6. Energy Balance

| Parameter | UOM | Value | % |
|---|-----|-------|---------------|
| Net input energy | MJ | 319 | 100% |
| Heat loss in dry flue gas (L1) | MJ | 68.8 | 21.53% |
| Heat loss due to formation of H ₂ O from H ₂ in fuel (L2) | MJ | 33.5 | 10.50% |
| Heat loss due to moisture in air (L3) | MJ | 8.6 | 2.70% |
| Heat loss due to moisture in payload (L4) | MJ | 13.7 | 4.28% |
| Heat loss due to storage in refractory and furnace (L5) | MJ | 58.7 | 18.39% |
| Heat loss due to radiation and convection from top (L6) | MJ | 5.0 | 1.56% |
| Heat loss due to radiation and convection from side (L7) | MJ | 20.0 | 6.28% |
| Heat loss due to radiation and convection from chimney (L8) | MJ | 5.4 | 1.70% |
| Heat loss & absorbed by bottom (L9) | MJ | 15.0 | 4.70% |
| All losses | | 228.8 | 71.63% |
| Thermal efficiency | | | 28.37% |

7. Properties of flue gasses

| Tempr [OC] | cp [kJ/kgK] | ρ [kg/m3] | $\mu * 10^6$ [Pa*s] | $v * 10^6$ [m2/s] | Cp kcal/kg/°C |
|------------|-------------|----------------|---------------------|-------------------|---------------|
| 0 | 1.04 | 1.30 | 15.80 | 12.20 | 0.25 |
| 100 | 1.07 | 0.95 | 20.40 | 21.54 | 0.26 |
| 200 | 1.10 | 0.75 | 24.50 | 32.80 | 0.26 |
| 250 | 1.11 | 0.68 | 26.35 | 39.31 | 0.26 |
| 300 | 1.12 | 0.62 | 28.20 | 45.81 | 0.27 |
| 400 | 1.15 | 0.53 | 31.70 | 60.38 | 0.27 |
| 500 | 1.19 | 0.46 | 34.80 | 76.30 | 0.28 |
| 600 | 1.21 | 0.41 | 37.90 | 93.61 | 0.29 |
| 700 | 1.24 | 0.36 | 40.70 | 112.10 | 0.30 |
| 800 | 1.26 | 0.33 | 43.40 | 131.80 | 0.30 |
| 900 | 1.29 | 0.30 | 45.90 | 152.50 | 0.31 |
| 1000 | 1.31 | 0.28 | 48.40 | 174.30 | 0.31 |
| 1100 | 1.32 | 0.26 | 50.70 | 197.10 | 0.32 |

8. Properties of Steam

| Temperature [OC] | Pressure [bar] | cp [kJ/kgK] | ρ [kg/m3] | $\mu * 10^6$ [Pa*s] | $v * 10^6$ [m2/s] |
|------------------|----------------|-------------|----------------|---------------------|-------------------|
| 0 | 0.0061 | 1.864 | 0.0048 | 8.04 | 1675 |
| 10 | 0.0123 | 1.868 | 0.0094 | 8.45 | 898.94 |
| 20 | 0.0234 | 1.87 | 0.0173 | 8.85 | 511.56 |
| 30 | 0.0424 | 1.883 | 0.0304 | 9.26 | 304.6 |
| 40 | 0.0737 | 1.894 | 0.0509 | 9.66 | 189.78 |
| 50 | 0.1233 | 1.907 | 0.0831 | 10 | 120.34 |
| 60 | 0.1992 | 1.924 | 0.1302 | 10.5 | 80.64 |
| 70 | 0.3117 | 1.944 | 0.1982 | 10.9 | 54.99 |
| 80 | 0.4736 | 1.969 | 0.2934 | 11.3 | 38.51 |
| 90 | 0.7011 | 1.999 | 0.4235 | 11.7 | 27.63 |

9. Calculation of Chimney diameter based on fuel consumption.

| <u>Molecular weights of gasses in LPG</u> | | | | | |
|---|-------|-------|--|-----------|----------|
| Propane MW | 44 | g/mol | Propane combustion | | |
| Butane MW | 58 | g/mol | $C_3H_8 + 5 O_2 \rightarrow 3CO_2 + 4H_2O$ | | |
| | | | C3H8 | 0.35 | mol |
| LPG composition | | | O2 | 1.75 | mol |
| Propane | 35 | mol% | CO2 | 1.05 | mol |
| Butane | 65 | mol% | H2O | 1.4 | mol |
| LPG MW | 53.1 | g/mol | | | |
| <u>Stoichiometric O2 requirement</u> | | 5.975 | mol | | |
| Oxygen at outlet | | | 5 | % | |
| Excess air | | | 31.25 | % | |
| Oxygen inlet | | | 7.84 | mol | 250.9 g |
| Excess O2 | | | 1.87 | mol | g |
| N2 inlet | | | 29.50 | mol | 826.0 g |
| Air requirement | | | | 1076.9 | g |
| | | | | 20.28 | g/g LPG |
| <u>Flue gas load per kg of LPG</u> | | MW | | Weight | |
| O2 | 1.867 | mol | 32 | g/mol | 0.060 kg |
| N2 | 29.50 | mol | 28 | g/mol | 0.826 kg |
| CO2 | 3.65 | mol | 44 | g/mol | 0.161 kg |
| H2O | 4.65 | mol | 18 | g/mol | 0.084 kg |
| | | | | 1.130 | kg |
| <u>Flue gas load per kg of LPG</u> | | | 21.282 | kg/kg LPG | |

| | | | | |
|---|--------|-----------|-------|------------|
| <u>Ideal flue gas speed for appropriate exhaust to take up the combustion products and molecular vapors, etc.</u> | 1 | meter/sec | 3600 | m/hr. |
| Gas density | 0.6825 | kg/m3 | 1550 | sq in/sq m |
| LPG combustion rate | 1.00 | kg/hr. | 39.36 | inch/m |
| Flue gas flow rate | 31.18 | m3/hr. | 3.28 | feet/m |
| Cross section of Chimney | 0.009 | sq m | 13.4 | sq inch |
| Square of Radius | 0.00 | sq. meter | | |
| radius | 0.05 | meter | 2 | inch |
| Diameter | 0.11 | meter | | |
| | 4.13 | Inch | 4 | inch |
| At 460 °C. the clay release the molecular water around 16 % of body mix | | | | say |
| weight of body mix in kiln | | | 100 | kg |
| Molecular water load of pottery body mix | | | 16 | kg |

245824/2023/S & T-KVIC

| | | | | | |
|--|--|--|--|--------|----------|
| Molecular water load per hr. | | | | 16 | kg |
| Density of vapors at 460 degree | | | | 0.60 | kg/cu m |
| volume of steam | | | | 26.76 | cu meter |
| Cross sectional area reqd for outlet in chimney w/o required speed in chimney of flue gasses | | | | 0.007 | sq meter |
| | | | | 11.520 | sq inch |
| Total area reqd for flue gasses and steam of molecular water of clay | | | | 24.9 | sq inch |
| radius square (r^2) reqd for above total area | | | | 7.9 | |
| Radius required | | | | 2.8 | inch |
| Diameter | | | | 5.6 | inch |
| note- damper will be required to raise the temperature after removing the molecular water from body mix to reduce the exhaust losses . | | | | | |
| volume m ³ /hr = $\pi r^2 \times$ speed of flue gas | | | | | |
| $V = Q/A = Q/(\pi D^2/4) = 60/[\pi(1)^2/4]$ | | | | | |

10. Density of flue gasses

| Temperature [OC] | cp [kJ/kgK] | ρ [kg/m ³] |
|------------------|-------------|-----------------------------|
| 0 | 1.042 | 1.295 |
| 100 | 1.068 | 0.95 |
| 200 | 1.097 | 0.748 |
| 250 | 1.1095 | 0.6825 |
| 300 | 1.122 | 0.617 |
| 600 | 1.214 | 0.405 |

| | | | |
|---|---------|---------|--------------|
| Cross section of Chimney of 6 inch Diameter | 6 | sq inch | |
| Height of main fuel line | 9 | inch | |
| Width of main fuel line | 6 | inch | |
| Therefore the Main flue line cross sectional area | 54 | sq inch | |
| Main Flue Cross section higher by Loading area of pottery wares | | | |
| | 1730.27 | sq inch | |
| area of top flue holes on loading area of wares | 432.57 | sq inch | |
| width | length | area | nos of holes |
| in inches | 2 | 1 | 216.28 |
| | 2.75 | 3 | 52.43 |
| | 2 | 2 | 108.14 |

The quantity of heat (Q) that will be transferred to stock can be calculated with this equation: $Q = m \times C_p (t_1 - t_2)$

| Where, Q = Quantity of heat of stock in kCal | | |
|---|-----------------------------|-------------------------|
| m = Weight of the stock in kg | 150 | Kg |
| Cp= Mean specific heat of stock in kCal/kg oC | 0.35 | |
| t1 = Final temperature of stock in oC | 800 | °C |
| t2 = Initial temperature of the stock before it enters the furnace in oC | 35 | °C |
| <u>Cp = Specific Heats of Various Substances</u> | | |
| Substance | Specific Heat (cal/gram °C) | Specific Heat (J/kg °C) |
| wet mud | 0.45 | 2512 |
| sandy clay | 0.33 | 1381 |
| $Q = m \times Cp (t_1 - t_2)$ | 40162.5 | Kg Cal |
| Total heat given by LPG during the firing | 54500 | Kg Cal |
| Thermal efficiency of furnace | 73.69 | % |

| The quantity of heat (Q) that will be transferred to stock can be calculated with this equation: $Q = m \times Cp (t_1 - t_2)$ | | |
|--|-----------------------------|-------------------------|
| Where, Q = Quantity of heat of stock in kCal | | |
| m = Weight of the stock in kg | 150 | Kg |
| Cp= Mean specific heat of stock in kCal/kg oC | 0.35 | |
| t1 = Final temperature of stock in oC | 800 | °C |
| t2 = Initial temperature of the stock before it enters the furnace in oC | 35 | °C |
| <u>Cp = Specific Heats of Various Substances</u> | | |
| Substance | Specific Heat (cal/gram °C) | Specific Heat (J/kg °C) |
| wet mud | 0.45 | 2512 |
| sandy clay | 0.33 | 1381 |
| $Q = m \times Cp (t_1 - t_2)$ | 40162.5 | Kg Cal |
| Total heat given by LPG during the firing | 54500 | Kg Cal |
| Thermal efficiency of furnace | 73.69 | % |

| | | |
|---|--------------|----------------|
| Heat required by 1 kg of wares up to 1000 Degree | 346 | kcal/kg |
| Weight of wares loaded in kiln | 100 | kg |
| Total heat required | 34600 | |
| Consumption of LPG gas | 9.5 | kg |
| \% heat utilized from the heat input | 45.35 | % |

11. % Heat loss in dry flue gas (L1)

| % Heat loss in dry flue gas (L1) | | | | |
|--|---------|------|------------|-----------------------------|
| m | 148.98 | kg | | |
| cp | 0.35 | | kcal/kg/°C | |
| DT | 315 | °C | | |
| L1 | 16425 | kcal | 68.8 | MJ |
| % Heat loss due to formation of H ₂ O from H ₂ in fuel (L2) | | | | |
| H ₂ in fuel | 17.51 | % | | |
| C in fuel | 82.49 | % | | |
| L2 | 8008 | kcal | 33.5 | MJ |
| % Heat loss due to moisture in air (L3) | | | | |
| Humidity | 2.00 | % | | |
| L3 | 2061 | kcal | 8.6 | MJ |
| % Heat loss due to moisture in payload (L4) | | | | |
| Moisture M2 | 3.00 | % | | |
| L4 | 3265.88 | kcal | 13.7 | MJ |
| % Heat loss due to storage inside walls of ceramic modules of ceramic fiber and furnace (L5) | | | | |
| | | | | Q=2kw*(Tw-Ti)Aw*sqrt(t/πα) |

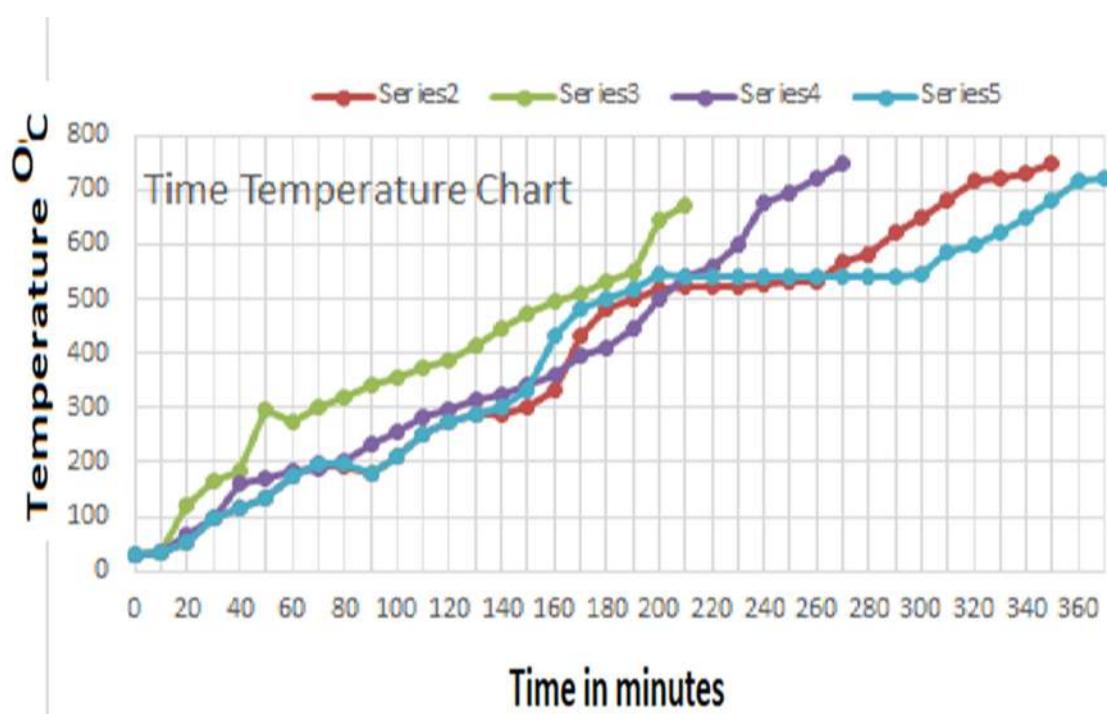
12. Heat absorbed by the HFK Bricks placed at bottom

| Heat absorbed by the bottom bricks & Base (L9) | | |
|--|--------------|-----------|
| Nos of HFK bricks & castable tiles | 15 | bricks |
| Average wt of one HFK brick & Tile | 1.25 | kg |
| Total weight of HFK bricks | 18.75 | kg |
| Specific heat of insulating brick | 0.25 | kcal/kg°C |
| Heat absorbed by the bricks | 3585.9375 | Kcal |
| | 15.01 | MJ |
| % Heat Loss | 4.70% | |

| | Iron structure Kiln | Iron structure Kiln | Iron structure Kiln | Brick kiln |
|--------|---------------------|---------------------|---------------------|--------------------|
| | temperature at top | temperature at top | temperature at top | temperature at top |
| Minute | 26.09.22 | 08.02.23 | 09.02.23 | |
| 0 | 30 | 32 | 30 | 30 |
| 10 | 36 | 37 | 36 | 36 |
| 20 | 54 | 121 | 66 | 54 |
| 30 | 98 | 168 | 100 | 98 |
| 40 | 116 | 186 | 161 | 116 |
| 50 | 135 | 296 | 172 | 135 |
| 60 | 174 | 274 | 185 | 174 |
| 70 | 196 | 300 | 187 | 196 |
| 80 | 194 | 318 | 200 | 196 |
| 90 | 181 | 340 | 232 | 181 |
| 100 | 211 | 357 | 255 | 211 |
| 110 | 250 | 374 | 284 | 250 |
| 120 | 273 | 385 | 295 | 273 |
| 130 | 287 | 415 | 315 | 287 |
| 140 | 287 | 447 | 326 | 300 |
| 150 | 300 | 474 | 342 | 333 |
| 160 | 333 | 496 | 362 | 433 |
| 170 | 433 | 511 | 395 | 480 |
| 180 | 480 | 530 | 412 | 501 |
| 190 | 501 | 550 | 445 | 520 |
| 200 | 520 | 644 | 500 | 547 |
| 210 | 523 | 674 | 540 | 540 |
| 220 | 523 | | 557 | 540 |
| 230 | 522 | | 599 | 540 |
| 240 | 528 | | 675 | 540 |
| 250 | 530 | | 695 | 540 |
| 260 | 530 | | 723 | 540 |
| 270 | 570 | | 750 | 540 |

245824/2023/S & T-KVIC

| | | | |
|-----|-----|--|-----|
| 280 | 582 | | 540 |
| 290 | 620 | | 540 |
| 300 | 651 | | 547 |
| 310 | 682 | | 587 |
| 320 | 715 | | 600 |
| 330 | 720 | | 620 |
| 340 | 731 | | 650 |
| 350 | 750 | | 682 |
| 360 | 785 | | 715 |
| 370 | 793 | | 720 |
| 380 | 800 | | 730 |
| 390 | 816 | | 750 |
| 400 | 822 | | 780 |
| 410 | 835 | | 795 |



MAJOR FINDINGS:

- Both the structures works with the same efficiency
- Brick structure is much cheaper compared to Iron body kiln, as the cost of metal sheet is higher compared to bricks.
- In the brick Kiln structure, the use of Ceramic Module is avoided to reduce the costing, but the same efficiency is achieved.
- Both the structures were Optimized and designed using locally available low cost kiln constructing materials.
- Three times more thermal efficiency is observed compared to traditional wood fired kilns (around 20 %)



Annexure-3

FOCUSED OBJECTIVES AND ACTIVITIES CONDUCTED:

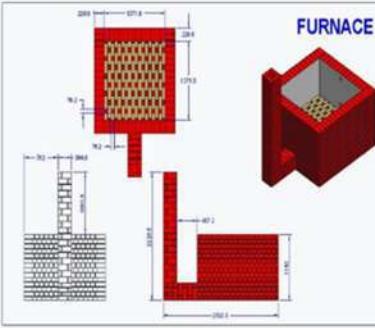
1. Designing and development of a kiln of around 1 Cubic Meter.
2. Fabrication of Pottery kiln with Iron structure and ceramic fiber modules having 165 kg/m³ density.
3. Fabrication of Pottery kiln with Local Red Clay bricks and ceramic fiber blankets. (Few refractory fire bricks have also been used for loading of wares and combustion zones.)
4. Different types of gas burners with different capacity are also tested and the data generated as a result is mentioned in Annexure 2. The Thermal efficiency was estimated to be 25.00%.
5. Designing and standardization of inside dimensions of the kiln, to be appropriate /thermal efficient to the combustion system.
6. Development of Low Cost, Appropriate & highly adoptable Kiln for the Potter community.

FOLLOWING ACTIVITIES WERE CARRIED OUT TO ACHIEVE THE OBJECTIVES: -

1. Conducted study and cost analysis of traditional kilns.
2. Study of locally available Kiln Construction Materials was conducted in the nearby areas along with that the material prices were listed.
3. Designed Kilns based on Heat Movement & Retention principal resulting maximum Heat transfer to wares.
4. Constructed Kilns as planned of different loading capacities and studied the fuel efficiency of kilns individually.
5. Demonstrated a trial at Shri Govind Gramin Wa Shahri Vikas Sanstha,Wardha.

ACTIVITY EXPLANATIONS:

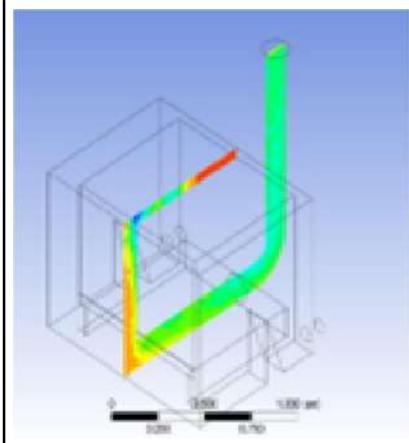
1. **Study / Survey** of traditional kilns took longer than planned, as we surveyed all the Indian potters, listed in UNDP's KVIC Pottery Project; we also collected the data of traditional kilns through our contacts with the potters. We also approached various Mattikala boards, Prajapati organizations for data collection. Further, we collected the data using Google forms which gave us a strong database for comparative studies regarding the design, fuel consumption of available kilns etc.
2. **Study of locally available Kiln construction materials** with respect to rural and urban areas was also conducted it took longer time to choose the appropriate materials considering their physical and thermal properties, specifically, Strength of the material, heat holding capacity, thermal conductivity, etc. Along with these materials we also studied nearby availability of following materials: -
 - a. Traditional Red bricks,
 - b. Traditional Hollow bricks,
 - c. Refractory Bricks and tiles (IS-6 & IS-8),
 - d. Ceramic Fiber and Ceramic Boards
 - e. Stay rods and other fixing materials of Mild steel and of Stainless steel etc. in respect of design and cost.
 - f. Insulating bricks – Hot face kyanite and mica Insulations etc in respect of cost and strength etc.
 - g. It was also important to develop the kiln with the construction materials familiar to potters and may not disturb the inherent feelings of any potters for easy and better adaptability in construction and firing by the potters.
 - h. After that we constructed a Downdraft type design pottery kiln with a red brick structure having a single burner and a chimney, but we found that the temperature losses were high and temperatures non-uniformity was observed.

| Down-draft flue system | Flue hole and combustion design | Loading of wares |
|---|---|---|
|  |  |  |

Note: 4 firing trials were conducted in this structure, but due to losses in temperature the trials failed.

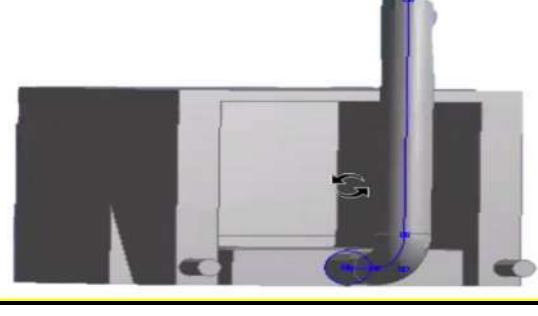
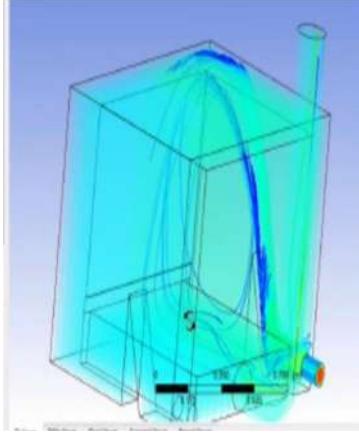
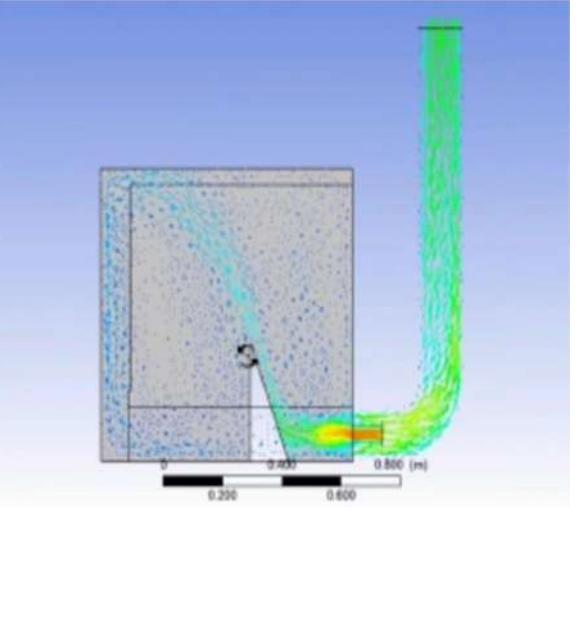
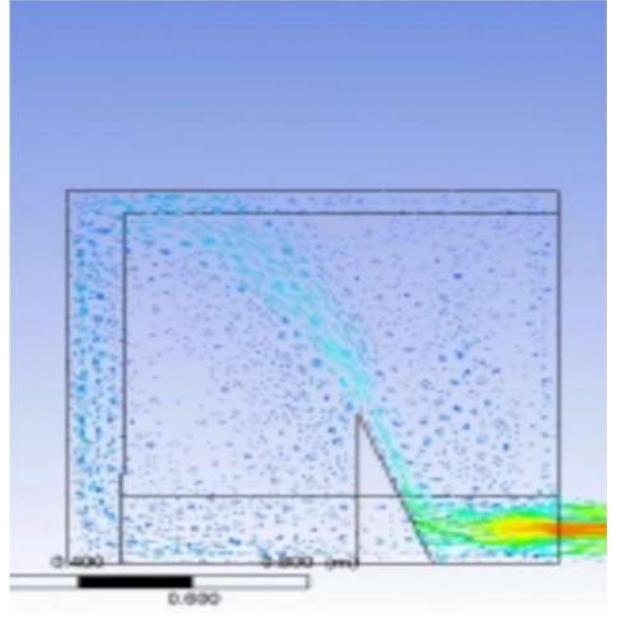
Conclusion: Design was rejected, and the structure was re-designing considering time period loss.

- i. Considering the findings from our last experiment, the kiln structure was re-designed to cross-draft type pottery kiln and Two structures were developed:

| Iron structure | Brick structure (low cost) | Cross Draft flue system |
|---|---|---|
|  |  |  |

- 3. Thirdly, as we know that, **retention of hot gasses** inside the kiln directly enhances the thermal efficiency of the kiln (hot gasses gets more time for heat transfer to the loaded products to be fired). Since time- in -memorials, the potters in India and abroad are using Updraft kilns or cross draught for production of red clay products with thermal efficiency of the kins around 6 to 8%, while in case of

White clay products. Globally, the European down draught kilns were in use for a very long time with thermal efficiency of 15 to 18%. To attain higher temperatures and temperature uniformity inside the kiln, which are now being replaced by tunnel kilns etc. and our attempt is to adopt the Downdraft system of hot Gases Movement system in pottery kilns for the first time, resulting in better temperature uniformity and higher thermal efficiency in targeted kiln.

| Final design of kiln Both iron and brick structure | Moment of hot gaseous while firing |
|---|--|
|  |  |
| Moment of hot gaseous in a kiln CAD analysis | |
|  |  |

4. Fourthly, we worked on **selection of Gas burners** which can provide appropriate pressure and length/Design of flame was also difficult as we have either high capacity gas burners (used in high temperature Ceramic/Industrial kilns) or very low capacity burners (used in domestic or just for drying purposes). Therefore, the selection and finding out the manufacturers of gas burners took us a longer time to decide.

a. Trail with Burner

| Industrial ST-40, ST-60, ST-80 | Monoblock burner |
|---|--|
|  |  |
| Vertical burner & torch burner | External blower burner |
|  |  |
| Heating Torches | Venturi burner |
|  |  |

5. Further, we studied the **type of loading pattern** to suit the different type/design of red clay pots is still to be carried out for standardization and appropriateness with better adaptability for the potters in India.

a. Loading pattern of products

| | |
|---|---|
| SS 304 -14 gauge wire mesh — Which is appropriate but not durable due to high temperature. Hence after a few trials we rejected the wire mesh. | Pottery Ware Loaded in the 14 gauge wire mesh |
|  |  |
| SS 304 6mm bar coated with thermal epoxy | SS 304 6mm bar coated with thermal epoxy use as furniture for loading of pottery wares |
|  |  |
| Simplified loading technique with SS 304 rack coated with thermal epoxy. | Pottery ware loading demonstration |

245824/2023/S & T-KVIC



6. Further, a demonstration cum workshop training program was carried out at "Shri Govind Gramin Wa Shahri Sanstha", Wardha.

| Workshop graced by Shri. O.P. Singh KVIC, MBI, and potters of different region of INDIA | |
|--|---|
| | |
| Demonstration of Iron structure in workshop in front of potters | Demonstration of brick structure kiln with artisans of different structure |
| | |

7. With regards to thermal Efficiency of Kiln.
 - a. Heat loss from side walls is lower than the traditional Pottery kilns.
 - b. Heat loss from the bottom of the kiln is lower than the traditional Pottery kilns.
 - c. Heat loss from the top of the kiln is lower than the traditional Pottery kilns.
8. Regarding Combustion of Fuel
 - a. The developed kiln under this project is more Eco-friendly than wood firing of traditional kiln and possesses precise internal atmosphere control.
 - b. Outer environmental temperature is lower than wood fired traditional kilns.
 - c. Smoke emission is lower than Wood fired traditional kiln.
9. Kiln designs have the following noble features.
 - a. Its unique placement of the burners in relation to the Internal shape to achieve uniformity in temperature distribution throughout the furnace chamber.,
 - b. Designing the lightweight top cover/lid,
 - c. Design of loading base,
 - d. Cross draught of Hot gasses movement in furnace chamber to provide more retention time for hot gasses to transfer heat products.
10. The design is appropriate and easy to adopt in manufacturing and can be easily made operational by Rural Potters.
11. The design has been developed with incorporation of the latest development of Fuel & Furnace technologies, thus Integrating appropriate Low cost kiln construction materials and energy efficiency techniques into Designing and Development of a Gas fired Pottery kiln.

Annexure-4

WORK-SHOP/LAB TRAIL OF ECO-FRIENDLY GAS FIRED KILN

Organized by
Shri Govind Gramin Wa ShariVikas Sanstha, Venue: Dahegaon M Wardha.



Fig. 4: Showing complete structure of the Operational Brick Kiln



TIME SCHEDULE OF THE WORKSHOP

The workshop was organized at Shri Govind Gramin Wa Shari Vikas Sanstha, Dahegaon (M) Wardha, Maharashtra-442001

Day-1

| Date | Time | Activities |
|----------|----------------|---|
| 08/02/23 | 10:00 to 10:30 | Registration of trainees/Participates |
| 08/02/23 | 11:00 to 13:00 | Introduction of newly developed technology/Machine |
| 08/02/23 | 10:30 to 11:00 | Inauguration by Guest, Shri O.P.Singh, A.D,KVIC Mumbai & Mr.Shail Raut, KVIC Mumbai, Dr.S.P.Mishra MGIRI, Wardha. Mr.Pramod Chaudhari, President of Shri Govind Gramin Wa Shari Vikas Sanstha |
| 08/02/23 | 13:00 to 13:30 | Lunch |
| 08/02/23 | 13:30 to 20:00 | Demonstration & loading of kiln firing of newly Developed Iron structure kiln |
| 08/02/23 | 15:30 to 15:45 | Tea break |

Day-2

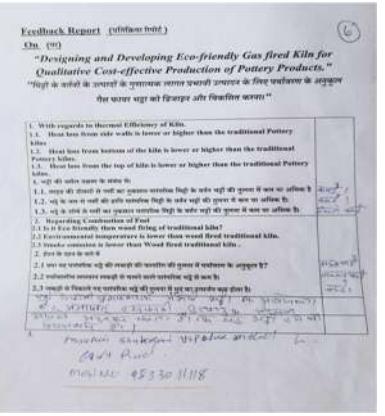
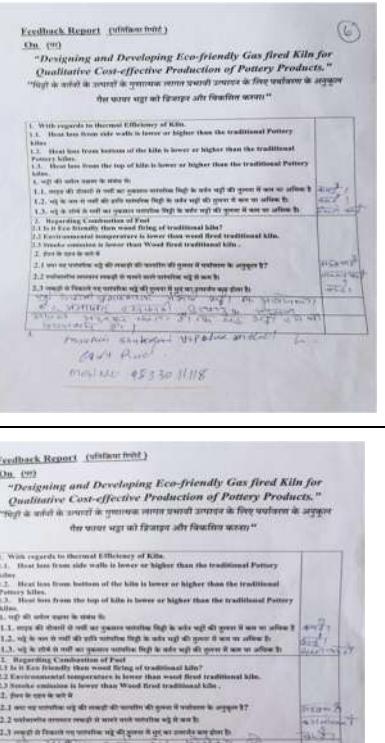
| Date | Time | Activities |
|----------|----------------|--|
| 09/02/23 | 10:00 | Demonstration & loading of kiln & firing of newly Developed brick structure kiln |
| 09/02/23 | 13:00 to 13:30 | Lunch |
| 09/02/23 | 20:00 | Technology features explanation |

DETAILS OF PARTICIPANTS

| <u>Date: 08/02/2023 & 09/02/2023</u> | | | |
|---|---|--|---------------------------|
| Sr.no | Participates | Address | Contact no |
| 1 | Mr. Govardhan Bhai Chawan Prajapati. | Room No31, Jammodas Mention L.N Lane Matunga , Mumbai-400019 | 9920209634, 9892117959 |
| 2 | Suresh Tank Potter | Kumbhar wada, Dharavi, Mumbai | 9324432132 |
| 3 | Mr. Dinesh Jiya Bhai wahagela, Potter | Kumbhar wada, Dharavi, Mumbai | 7303042677 |
| 4 | Narshi Bhai Tank. Potter | Kumbhar wada, Dharavi, Mumbai | 9930287629 |
| 5 | Arvind Whaghela, Potter | Kumbhar wada, Dharavi, Mumbai | |
| 6 | Mr. Bharat bhai .R. Tank potter | Kumbhar wada, Dharavi, Mumbai | 9167 027690 |
| 7 | Mr. Vinay Kumar Prajapati Varanasi UP | Varanasi U.P | 7007794185, |
| 8 | Mr Vinod Kumar Prajapati Jigger jolly and Pressed pottery unit. Varanasi UP. | Varanasi ,UP | 6394494259 |
| 9 | Drama. Prabhakar KVIC Trained having Jigger jolly | Hyderabad | 9490027838. |
| 10 | Mr Shiv Kumar Jigger jolly and Pressed items unit. Hyderabad. Telangana | Hakimi pathe ,village Dist – Nayara peth, Telangana | 9346021427 |
| 11 | Dayaram Prajapati, Jigger jolly items unit Pipalkota,MP | Pipalkota, Dist –Devas, M.P | 9981861914 |

FEEDBACK SUMMARY FROM POTTERY ARTISANS

Feedback reports of Participants, attended the workshop on 08.02.2023 to 09.02.2023 under S & T project – “Designing and Developing Eco-friendly Gas fired Kiln for Qualitative Cost - effective Production of Pottery Products vide your no. -"S and T/18/10/2021-S&T - KVIC - KVIC - HQ/2020 - 21/17703/485

| SN | Participant Name | Contact Details | Feedback Form Photo | Feedback |
|----|------------------------------|-------------------------------|---|---|
| 1 | Mr. Govardhan Bhai Prajapati | 9892117959 & 9833011118 |  | <p>I am happy to visit your workshop and I also want the Gas fired kiln but help us to get the gas fuel in our cluster.</p> |
| 2 | Arvind Bhai whaghela | 9920209634 |  | |

245824/2023/S & T-KVIC

245824/2023/S & T-KVIC

Annexure-5

Newly Designed & Developed Gas fired Pottery kiln is Cost effective, its construction materials are locally available, Construction technology is easily adoptable by potters themselves, Operational Procedure of Firing of kiln can be controlled by any unskilled labour or potter's family members. Rejections are much lesser than traditional kilns. Thermal efficiency is much higher compared to the ones available Gas fired kilns in the market.

COMPARISON BETWEEN MARKET AVAILABLE GAS FIRED KILNS V/S DESIGNED KILN UNDER THE S&T PROJECT

| Parameters | Available Gas fired kilns in market | Designed & Developed Gas fired Pottery kiln under the S&T Project |
|-----------------------------|---|--|
| Cost effectiveness | The 1 cu meter gas fired kiln cost about more than Rs 3.5 lacs. | Cost effective below Rs.1 lacs for the Rural Potters. Who are below poverty line. |
| Kiln constructing materials | Available on state level and difficult to arrange by potters and | Easily available on locally District level and purchase is within potter's financial preview. |
| Constructing technology | Difficult to construct by potters themselves. | Easy to construct by potters themselves. |
| Loading of kiln with wares | Difficult to load | Can be loaded traditionally. |
| Operational Procedure | Firing of kiln needs to be operated by Skilled firemen | Firing of kiln can be controlled by any family members of potter's family. |
| Rejections | Better than the traditional potter's kilns. | Better than the traditional potter's kilns. |
| Flue Consumption | More than 25 kg per firing | 10 to 11kg per firing |
| Thermal efficiency | Heat loses through exhaust is high though thermal efficiency is higher than traditional Pottery kilns. around 16% | Heat losses through chimney are lower than the available gas fired Pottery kilns in the market. Hence the thermal efficiency is higher. Around 19.5% |
| Adoptability to the Potters | Difficult to adopt economically, technologically and difficult to maintain & operation. | Easy to adopt from all angles. |

245824/2023/S & T-KVIC

QUOTATION FOR 1 CUBIC METER FURNACE AVAILABLE IN MARKET AND ITS CONSUMPTION

GSTIN: 09AZAPS1168E1ZD

Mob. 09837268274
09837983786
09634356786

Manufacturer & Suppliers of,

All Type Ceramic Machinery Diesel Kiln, Electric Kiln, Gas Fired Kiln
High Temperature Tunnel Kiln & Decoration Tunnel Kiln.

Office: Near Satraj Ceramics Opp. Maya Industries G.T. Road, Khurja-203131 (U.P.)

Workshop: J.K. Works Mandakhora Crossing Near Aman Marriage Home, G.T. Road Khurja-203131 (U.P.)

Email: jkenggworks51@yahoo.in, jkenggworks0786@gmail.com

Ref:

Date:

Jkew/Sggvx/03-23

21.03.023

To.

**Shri Govind Gramin wa Shri Vikas Sanstha,
Wardha, Maharashtra, India.**

Sub:-Quotation For Gas Fired Shuttle Kiln.**1. Gas Fired Shuttle Kiln.**

With heavy duty ms iron structure,

Loading size 1 cubic metre,

Lining with Ceramics Fibre HTZ 128,

Lining With Insulation bricks H.F.K.,

1200 Digri Temperature,

2 Nos. Burners,

2 Nos. Thermocouples 'R' Type with indicators,

5 Deck Furniture with two types of Pillars,

5 Cylinder gas monifold (Gas Bank)

Fuel consumption 25 Kg Per firing or as per depend of metreal and firing temperature.

Cost of shuttle kiln with all accessories.

Rs. 4,00,000/-

Gst @ 18%

Rs. 72,000/-

Transportation for Krj to Wardha.

Rs. 45,000/-

Total Rs. 5,17,000/-**Terms And Conditions:-**

- * 60 % Advance at the time of order, 20% at the time of complete of kiln,
Rest payment at the time of demonstration.
- * Installation and demonstration charges 20,000/- extra paid
- * Civil Work, Electric accessories and Fitting provide by you.
- * Machinery complete within 30 working days after confirm order and advance.
- * One year warranty any manufacturing defect.
- * This rate valid up to only one month after date of quotation

Banking Details:-

J.K.Engineering Works
HDFC Bank A/C No. 07382000000311
Rtg/Net/IFSC Code:- HDFC0000738
N H Plaza G.T.Road Khurja Branch.

Thanking You.

Annexure-6

WORKSHOP IMAGES & PROOFS

Iron Structure kiln**After loading the iron Structure kiln****Brick Structure kiln****Rack Loading in the furnace**

Stainless steel S304 coated with epoxy to SS bar and Wall of blanket Rack for loading of green product in the furnace

**After loading Green products in SS rack**

YouTube Links for reference:

1. [Successful Firing of Iron structure kiln with Industrial burner & Torch burner at 850°C](#)
2. [Firing at 850°C Shri Govind Gramin wa Shari Vikas Sanstha Wardha](#)
3. [Loading of Pottery wares in the Kiln](#)


(A.K. Gupta)

ANNEXURE- 4**List of Machine in Institute**

| Sr.no | Machine | Quantity |
|-------|-------------------------|----------|
| 1 | Welding machine 3phase | 1 |
| 2 | Welding machine 1phase | 1 |
| 3 | Universal Jigger& Jolly | 5 |
| 4 | Clay pug-mill | 1 |
| 5 | Clay Blunger | 1 |
| 6 | Hand cutter | 1 |
| 7 | Hand grinder | 2 |
| 8 | Hand drill | 2 |
| 9 | Power hand tools | |
| 10 | Colum drill machine | 1 |
| 11. | Gas fired Kilns | 3 |
| 12 | Jigger jolly | 5 |

Annexure-5Budget break up with Justification

| Sr. No. | Item of Expenditure | | Total for One year in Rs lacs |
|---------|--|-------------|-------------------------------|
| 1 | Manpower | | 5.97 |
| 2 | Travel to five clusters and stay at five clusters for five months including Travelling, Lodging and boarding for three personals along with skilled mason. | | 2.50 |
| 3 | Raw materials for kiln construction at three clusters | | 3.00 |
| 4 | Contingencies /Overheads | 10 % | 1.147 |
| | Sub Total | | 12.617 |
| 5 | Institutional Charges | 13% | 1.64021 |
| | Grand Total | | 14.25721 |

Require budget- Rs1425721.00

1. Manpower

| Sr.n o | One Year Project Manpower | remuneration @per month | Yearly Budget |
|-----------|--|------------------------------------|----------------------|
| | | | |
| 1.1 | Project coordinator | LS | 1,65,000.00 |
| 1.2 | Co- Project coordinator | 25000.00 | 3,00,000.00 |
| 1.3 | Project Assistance | 12000.00 | 1,32,000.00 |
| | Total | | 597000.00 |

2. Travel

| | | |
|---|--|-----------|
| 2 | Travel to three clusters and stay at three clusters for five months including Travelling, Lodging and boarding for three personals along with skilled mason. | 250000.00 |
|---|--|-----------|

3. Raw materials for kiln construction at three clusters

| Sr.n o | Tentative raw material items & particulars | Tent ative Qua ntity | Approx. Price in Rs. | Budget in Rs. |
|-----------|---|-------------------------------|----------------------------|------------------|
| 1 | Ceramic Fibers Blankets - 128kg/m density | 20 | 2000.00 | 40000.00 |
| 2 | Red Bricks | 5000 | 10.00 | 50000.00 |
| 3 | Epoxy cement | 2000 | 5.00 | 10000.00 |
| 4 | Hot Face Insulating Bricks | 200 | 100.00 | 20000.00 |
| 5 | Temperature Indicator & Thermocouple -Cr/Al type | 10 | 3000.00 | 30000.00 |
| 6 | Low Temperature meter- radiation and Dial type -2 no | 2 | | 5000.00 |
| 7 | SS/Iron materials-angle iron, flats etc for rack. | 500 | 70.00 | 45000.00 |
| 8 | Manifold (Gas Bank) | 10 | 10000.00 | 30000.00 |
| 9 | Burner blocks, Mortar & other cementing materials in kg | LS | 30000.00 | 30000.00 |
| 10 | miscellaneous for raw material/labors charges | | | 40000.00 |
| | | | | |
| | Total | | | 300000.00 |

4. Contingencies /Overheads

| Sr.no | Contingencies expenses | |
|-------|---|-------------------|
| 1 | Man Power of three person | 597000.00 |
| 2 | Travel to three clusters and stay at three clusters for five months including Travelling, Lodging and boarding for three personals along with skilled mason. | 250000.00 |
| 3 | Raw materiaial | 300000.00 |
| | Total Amount | 1147000.00 |
| 4 | Contingencies Expenses (Rs) 10% | 114700.00 |
| | Total | 1261700.00 |

Annexure - 6
(Ref: S.O. No. 1739, Dt: 29.06.2015)

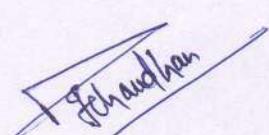
CERTIFICATE

ENDORSEMENT FROM THE HEAD OF THE INSTITUTION

1. We have gone through the terms and conditions of the S&T grant agreed to abide by and enter into an Agreement/MOU with OCKVI for implementing the S&T scheme.
2. We have neither obtained nor intended to obtain financial assistance from any other agencies, amounting to double funding.
3. We undertake to submit progress reports, statement(s) of accounts, utilization certificates, etc. as required.
4. Certified that Dr/Shri/Smt/Kum. Shri A.K.Gupta the Project Coordinator of the proposed S&T Project. The Project Co-coordinator will assume the responsibility of completion of the project.
 - Certified that the hardware, other basic facilities and such other administrative support required as per terms and conditions of the grant, will be extended to the Coordinator(s) throughout the duration of the project.
 - Our agency assumes to undertake the complete financial and other management responsibilities of the project, and will ensure compliance with the terms and conditions laid down.
5. Certified that the Society/Organization will extend benefits of the said S&T projects to the targeted beneficiaries of KVI activities only.
6. If any of the above statements found to be incorrect by the OCKVI at any point of time, the organization takes the responsibility to refund the entire amount released by OCKVI along with 10% interest as per GFR norms.

Date: 08/06/2023

Place: Wardha



PRESIDENT
Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA

Name & Signature of the
 Head of Agency

245824/2023/S & T-KVIC

Acknowledgement Number: 883643880291222

Date of filing : 29-Dec-2022

INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT

[Where the data of the Return of Income in Form ITR-1 (SAHAJ), ITR-2, ITR-3, ITR-4(SUGAM), ITR-5, ITR-6, ITR-7 filed and verified]
 (Please see Rule 12 of the Income-tax Rules, 1962)

Assessment Year
2022-23

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------|-----------------|---|------------------------------------|---|---|--------------|--|---|---|---|---|---|---|---|-----------------|---|---|--------------------------|---|---|-------------------------------------|---|---|------------|---|---|---------------------------------------|---|---|--------------------------------------|---|---|----------------------------------|----|---|----------------------------|----|---|-------------------------------------|----|---|-----------------------|----|---|---|----|---|
| PAN | ABATS4404K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Name | SHRI GOVIND GRAMIN AND SHAHARI VIKAS SANSTHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address | GROUND FLOOR , BESIDE JAI MAHAKALI HARDWARE , RAMNAGAR , RAMNAGAR , NEAR SUB POST OFFICE , NEAR SUB POST OFFICE , WARDHA , WARDHA , 19-Maharashtra , 91-India , 442001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status | AOP/BOI | Form Number | ITR-5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Filed u/s | 139(4) Belated- Return filed after due date | e-Filing Acknowledgement Number | 883643880291222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td rowspan="15">Taxable Income & Tax details</td> <td>Current Year business loss, if any</td> <td>1</td> <td>0</td> </tr> <tr> <td>Total Income</td> <td></td> <td>0</td> </tr> <tr> <td>Book Profit under MAT, where applicable</td> <td>2</td> <td>0</td> </tr> <tr> <td>Adjusted Total Income under AMT, where applicable</td> <td>3</td> <td>0</td> </tr> <tr> <td>Net tax payable</td> <td>4</td> <td>0</td> </tr> <tr> <td>Interest and Fee Payable</td> <td>5</td> <td>0</td> </tr> <tr> <td>Total tax, interest and Fee payable</td> <td>6</td> <td>0</td> </tr> <tr> <td>Taxes Paid</td> <td>7</td> <td>0</td> </tr> <tr> <td>(+) Tax Payable /(-) Refundable (6-7)</td> <td>8</td> <td>0</td> </tr> <tr> <td>Accreted Income as per section 115TD</td> <td>9</td> <td>0</td> </tr> <tr> <td>Additional Tax payable u/s 115TD</td> <td>10</td> <td>0</td> </tr> <tr> <td>Interest payable u/s 115TE</td> <td>11</td> <td>0</td> </tr> <tr> <td>Additional Tax and interest payable</td> <td>12</td> <td>0</td> </tr> <tr> <td>Tax and interest paid</td> <td>13</td> <td>0</td> </tr> <tr> <td>(+) Tax Payable /(-) Refundable (12-13)</td> <td>14</td> <td>0</td> </tr> </table> | | | | Taxable Income & Tax details | Current Year business loss, if any | 1 | 0 | Total Income | | 0 | Book Profit under MAT, where applicable | 2 | 0 | Adjusted Total Income under AMT, where applicable | 3 | 0 | Net tax payable | 4 | 0 | Interest and Fee Payable | 5 | 0 | Total tax, interest and Fee payable | 6 | 0 | Taxes Paid | 7 | 0 | (+) Tax Payable /(-) Refundable (6-7) | 8 | 0 | Accreted Income as per section 115TD | 9 | 0 | Additional Tax payable u/s 115TD | 10 | 0 | Interest payable u/s 115TE | 11 | 0 | Additional Tax and interest payable | 12 | 0 | Tax and interest paid | 13 | 0 | (+) Tax Payable /(-) Refundable (12-13) | 14 | 0 |
| Taxable Income & Tax details | Current Year business loss, if any | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total Income | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Book Profit under MAT, where applicable | 2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Adjusted Total Income under AMT, where applicable | 3 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Net tax payable | 4 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Interest and Fee Payable | 5 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total tax, interest and Fee payable | 6 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Taxes Paid | 7 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (+) Tax Payable /(-) Refundable (6-7) | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Accreted Income as per section 115TD | 9 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Additional Tax payable u/s 115TD | 10 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Interest payable u/s 115TE | 11 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Additional Tax and interest payable | 12 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Tax and interest paid | 13 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (+) Tax Payable /(-) Refundable (12-13) | 14 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Income Tax Return submitted electronically on 29-Dec-2022 20:08:02 from IP address 103.56.196.10 and verified by PRAMOD CHOWDHARI having PAN ABTPC0609F on 29-Dec-2022 using X49ESIRAPI generated through Aadhaar OTP mode

System Generated

Barcode/QR Code



ABATS4404K058836438802912222C6C96165AD9AEE1B8A8C1848C53DEF295D9DA5C

DO NOT SEND THIS ACKNOWLEDGEMENT TO CPC, BENGALURU

245824/2023/S & T-KVIC

The Maharashtra Public Trusts Act, 1950

SCHEDULE - IX C

(Vice Rule 32)

Statement of income liable to contribution for the year ending **31st March, 2022**

Name of the public trust : SHRI GOVIND GRAMIN WA SHAHARI VIKAS SANSTHA, WARDHA

Registration No: F-6712W

| | Rs. | P. | Rs. | P. |
|--|-----|----|-------------|----|
| I) Income as shown in the Income and Expenditure Account (Sch. IX) | | | 0.00 | |
| II) Items not chargeable to Contribution under Section 58 and Rule 32: | | | | |
| (i) Donations received from other Public Trusts and Dharmadas .. | | | | |
| (ii) Grants received from Government and Local authorities .. | | | | |
| (iii) Interest on Sinking or Depreciation Fund .. | | | | |
| (iv) Amount spent for the purpose of secular education .. | | | | |
| (v) Amount spent for the purpose of medical relief .. | | | | |
| (vi) Amount spent for the purpose of veterinary treatment of animals. scarcity, drought, flood, fire or other natural calamity .. | | | | |
| scarcity, drought, flood, fire or other natural calamity .. | | | | |
| (viii) Deduction out of income from lands used for agricultural purposes:- | | | | |
| (a) Land Revenue and Local Fund Cess | | | | |
| (b) Rent payable to superior landlord | | | | |
| (c) Cost of production, if lands are cultivated by trust .. | | | | |
| (ix) Deductions out of income from lands used for nonagricultural purposes:- | | | | |
| (a) Assessment, cesses and other Government or Municipal Taxes .. | | | | |
| (b) Ground rent payable to the superior landlord .. | | | | |
| (c) Insurance premia | | | | |
| (d) Repairs at 10 per cent of gross rent of building.. .. | | | | |
| (e) Cost of collection at 4 per cent of gross rent of building let out .. | | | | |
| (x) cost of collection of income or receipts from securities, stocks, etc. at 1 per cent of such income | | | | |
| (xi) Deductions on account of repairs in respect of buildings not rented, rented and yielding no income, at 10 per cent of the estimated gross annual rent. | | | 0.00 | |
| Gross Annual Income chargeable to contribution Rs. | | | 0.00 | |

Certified that while claiming deductions admissible under the above Schedule, the Trust has not claimed any amount twice, either wholly or partly, against any of the items mentioned in the Schedule which have the effect of double deduction.

Trust Address:

Near Sub Post office Ramnagar

Wardha -442001

Date: 28.02.2023

Wardha

Trustee

J. Chandak
PRESIDENT*Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA***FOR J CHANDAK & CO
ARTERED ACCOUNTANTS**

(FRN: 139097W)

UDIN: 23152574BGUBFN4511

*P. Harkutiya***PARTNER: PRATEEK HARKUTIYA
M.NO.152574**

245824/2023/S & T-KVIC

Report of an auditor relating to accounts audited under sub-section (2) of section 33 & 34 and rule 19 of The Maharashtra Public Trusts Act.

Registration no. : F-6712 W

Name of the Public Trust :SHRI GOVIND GRAMIN WA SHAHARI VIKAS SANSTHA, WARDHA

for the year ending 31st March 2022

| | |
|--|---|
| (a) Whether accounts are maintained regularly and in accordance with the provisions of the Act and the rules ; | YES |
| (b) Whether receipts and disbursements are properly and correctly shown in the accounts; | YES |
| (c) Whether the cash balance and vouchers in the custody of the manager or trustee on the date of audit were in agreement with the accounts; | NO AS AUDIT HAS BEEN CARRIED OUT AT OUR OFFICE |
| (d) Whether all books, deeds, accounts, vouchers or other documents or records required by the auditor were produced before him; | YES |
| (e) Whether a register of movable and immovable properties is properly maintained, the changes therein are communicated from time to time to the regional office, and the defects and inaccuracies mentioned in the previous audit report have been duly complied with; | NO |
| (f) Whether the manager or trustee or any other person required by the auditor to appear before him did so and furnished the necessary information required by him; | YES |
| (g) Whether any property or funds of the Trust were applied for any object or purpose other than the object or purpose of the Trust ; | NOT NOTICED |
| (h) The amounts of outstanding for more than one year and the amounts written off, if any; | NIL |
| (i) Whether tenders were invited for repairs or construction involving expenditure exceeding Rs. 5,000 / - ; | NO |
| (j) Whether any money of the public trust has been invested contrary to the provisions of Section 35; | NOT NOTICED |
| (k) Alienations, if any, of the immovable property contrary to the provisions of Section 36 which have come to the notice of the auditor; | NOT NOTICED |
| (l) All cases of irregular, illegal or improper expenditure, or failure or omission to recover monies or other property belonging to the public trust or of loss or waste of money or other property there of, and whether such expenditure, failure, omission, loss or waste was caused in consequence of breach of trust or misapplication or any other misconduct on the part of the trustees or any other person while in the management of the trust; | NOT NOTICED |
| (m) Whether the budget has been filed in the form provided by rule 16A; | NO |
| (n) Whether the maximum and minimum number of the trustees is maintained; | MINUTE BOOK NOT MADE AVAILABLE BEFORE US FOR VERIFICATION |
| (o) Whether the meetings are held regularly as provided in such instrument ; | |
| (p) Whether the minute books of the proceedings of the meeting is maintained ; | |
| (q) Whether any of the trustees has any interest in the investment of the trust; | YES P.G. CHAUDHARI RS.25862.30 |
| (r) Whether any of the trustees is a debtor or creditor of the trust; | NO |
| (s) Whether the irregularities pointed out by the auditors in the accounts of the pre.year have been duly complied with by the trustees during the period of audit; | YES |
| (t) Any special matter which the auditor may think fit or necessary to bring to the notice of the Deputy or Assistant Charity Commissioner. | NIL |

WARDHA

Date: 28.02.2023



FOR J CHANDAK & CO
ARTERED ACCOUNTANTS

(FRN: 139097W)

UDIN: 23152574BGUBFN4511

PARTNER:PRATEEK HARKUTIYA
M.NO. 152574

245824/2023/S & T-KVIC

SCHEDULE IX-D

[See rule 19 (2A)]

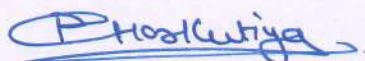
Information to be submitted by the Auditor along with Audit Report under sub-section (1) of section 34 of the Maharashtra Public Trusts Act.

| Sr. No. | Particulars | Details | |
|---------|---|----------------------------|-----------------|
| 1 | PAN NO. OF TRUST | ABATS4404K | |
| 2 | Registration No. with date of registration under section 12AA of Income Tax Act, 1961 (43 of 1961). | F-6712W | |
| 3 | Acknowledgement No. with date of filing of the Return of Income for earlier three years. | ACK NO | A. Y |
| | i | 883643880291222 | 2022-2023 |
| | ii | 306050780080322 | 2021-2022 |
| | iii | 663036340201020 | 2020-2021 |
| 4 | PAN No. of all Trustees. | NAME OF TRUSTEE | PAN |
| | i | Shri. Pramod G. Chaudhari | ABTPC0609F |
| | ii | Sau. Vaishali R. Mankar | PANNOTAVAILABLE |
| | iii | Sau. Sunita D. Kene | AJXPC6010A |
| | iv | Shri. Sanjay G. Chaudhari | AQBPC0704C |
| | v | Shri. Ravindra D. Morankar | EFAPM3458H |
| | vi | Smt. Saroj R. Charade | PANNOTAVAILABLE |
| | vii | Sau. Jaya D. Lunge | PANNOTAVAILABLE |

Date: 28.02.2023
Wardha


PRESIDENT
Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA

FOR J CHANDAK & CO
CHARTERED ACCOUNTANTS
(FRN: 139097W)
UDIN: 23152574BGUBFN4511


PARTNER: PRATEEK HARKUTIYA
M.NO.152574



245824/2023/S & T-KVIC

SHRI GOVIND GRAMIN WA SHAHARI VIKAS SANSTHA, WARDHA**Balance Sheet as on 31st March, 2022**

| FUNDS & LIABILITIES | Amount | PROPERTIES & ASSETS | Amount |
|---|---------------|---|---------------|
| TRUST FUND OR CORPUS : Life Time Membership Fees | | | |
| UNSPENT GRANT: Jigger Jolly Project Grant | | | |
| Grant Received | 7,000.00 | MOVABLE PROPERTY: Furniture & Fixture | 12,500.00 |
| - Revenue Exps | | | |
| - Capital Machinery (In Kind) | | | |
| Total Grant in Aid | 1,25,000.00 | | 52,235.00 |
| Less:Utilisation of Grant (Sch A) | | | |
| - Revenue Exps (As Per Schedule A) | 3,73,421.00 | | 18,130.0 |
| - Capital Exp | 4,98,421.00 | | |
| Excess Expenditure Receivable (Tr to Assets Side) | 1,77,235.00 | | |
| | 3,78,421.00 | | |
| | -52,235.00 | | |
| S & T Project Grant | 14,04,500.00 | | |
| - Grant Received | | | |
| Less : Utilisation of Grant (Sch B) | | | |
| Revenue Expenditure | 7,73,392.00 | | |
| | 6,31,108.00 | | |
| | 24,564.00 | | |
| PAYABLE TO KVIC Nagpur (On account of IRG / Fees Collection) | | | |
| LOANS (LIABILITY) : | | | |
| Shri Vivek Masane - Advance | 2,09,827.00 | | |
| Shri. P.G. Chaudhari - Advance | 25,862.30 | | |
| OTHER PAYABLE | | | |
| Abhishek Kharade | 24,000.00 | | |
| Vivek Masane | 25,000.00 | | |
| | 49,000.00 | | |

PRESENT
Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA


SHRI GOVIND GRAMIN WA SHAHARI VIKAS SANSTHA, WARDHA
Dated: 10/04/2023

TDS PAYABLE

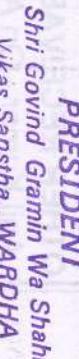
INCOME & EXPENDITURE A/C
As per last Balance Sheet
Less : Deficit for the year

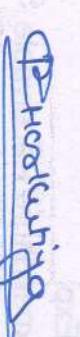
| | |
|--------------|--------------------|
| 27,800.00 | 18,643.40 |
| TOTAL | 9,70,327.70 |

The Above Balance Sheet to the best of my knowledge & Belief contains a true account of the Funds and liabilities and properties and assets of the trust

For Shri Govind Gramin wa Shahri Vikas Sanstha, Wardha


PRESIDENT


**Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA
President**


**PRATEEK HARKUTIYA
PARTNER:PRATEEK HARKUTIYA
M.NO.152574**

245824/2023/S & T-KVIC

SHRI GOVIND GRAMIN WA SHAHARI VIKAS SANSTHA, WARDHA
SCHEDULE A : Jigger Jolly Project Exps

| PARTICULARS | Amount |
|-------------------------|--------------------|
| Jigger Jolly Expenses : | |
| Clay Purchase | 54,285.00 |
| POP Purchase | 47,550.00 |
| Salary | 24,000.00 |
| Wages | 48,900.00 |
| Trainig Expenses | 2,500.00 |
| TOTAL | 1,77,235.00 |

SCHEDULE B: S & T Project Exps

| PARTICULARS | MANPOWER EXPS | PARTICULARS | Amount |
|--|--------------------|-------------|--------|
| Salary & Wages | 4,32,267.00 | | |
| TRAVELLING EXPS | 4,910.00 | | |
| TRAINING EXPS | - | | |
| RAW MATERIAL & ERECTING CHARGES | | | |
| Freight & Transportation Charges | 16,050.00 | | |
| Consumables, Stores & Spares | 33,836.00 | | |
| Power & Fuel Consumed | 9,913.00 | | |
| Installation of Furnace & Equipments | 2,31,461.00 | | |
| Infrared Thermometer | 5,600.00 | | |
| Burner | 10,000.00 | | |
| Furniture & Fixture | 5,200.00 | | |
| Steel Racks | 2,250.00 | | |
| Weighing Machine | 12,500.00 | | |
| Contingency Exps | | | |
| Bank Commission | - | | |
| Computer Repairs & Maintenance | 1,500.00 | | |
| Hospitality | 3,390.00 | | |
| Printing & Stationery | 3,725.00 | | |
| Xerox | 790.00 | | |
| TOTAL | 7,73,392.00 | | |



[Signature]
PRESIDENT
Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA

245824/2023/S & T-KVIC

SHRI GOVIND GRAMIN WA SHAHARI VIKAS SANSTHA, WARDHA

SCHEDULE IX

[Vide Rule 17(1)]

INCOME AND EXPENDITURE FOR THE PERIOD FROM 01.04.2021 TO 31.03.2022

| Expenditure | Amount | Amount | Income | Amount | Amount |
|---|---------|-----------------|--------|--------------|-----------------|
| CONTINGENCIES & OTHER EXP'S: | | | | | |
| Bank Commission | 436.60 | | | | |
| Audit Fees | 4720.00 | | | | |
| Legal Fees | 4000.00 | | | | |
| | | | | | |
| TOTAL | | 9,156.60 | | TOTAL | 9,156.60 |

Above Income & Expenditure account is in agreement with the Books of accounts produced before us for verification.

For Shri Govind Gramin wa Shahri Vikas Sanstha, Wardha

AS PER OUR REPORT OF EVEN DATE
 FOR J.CHANDAK & CO
 CHARTERED ACCOUNTANTS
 (FRN.139097W)


PRESIDENT
 Shri Govind Gramin Wa Shahri
 Vikas Sanstha, WARDHA
 President
 Date: 28.02.2023


PARTNER:PRATEEK HARKUTIYA
 M.NO.152574



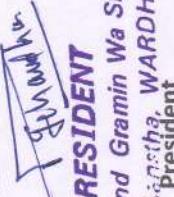
245824/2023/S & T-KVIC

SHRI GOVIND GRAMIN WA SHAHARI VIKAS SANSTHA, WARDHA
RECEIPTS & PAYMENTS STATEMENT FOR THE YEAR ENDED 31ST MARCH 2022

| RECEIPTS | | Amount | PAYMENTS | | Amount |
|--|--------------|---------------|---|---------------------|---------------------|
| OPENING BALANCES: | | | CONTINGENCIES & OTHER EXP'S: | | |
| Cash In Hand | 22,300.00 | 22,300.00 | Audit Fees | 4,720.00 | |
| Union Bank of India | | | Bank Commission | 436.60 | |
| | | | Legal Fees | 4,000.00 | 9,156.60 |
| GRANT IN AID (KVIC) | | | UTILISATION OF GRANTS | | |
| Jigger Jolly Project Grant | | | Jigger Jolly Project Exps | | |
| - Revenue Exps | 1,25,000.00 | | - Revenue Exps (As Per Schedule A) | 1,77,235.00 | |
| - Capital Machinery (In Kind) | 3,73,421.00 | | - Capital Exp | 3,73,421.00 | |
| S & T Project Grant | 14,04,500.00 | 19,02,921.00 | S & T Project Exps (As Per Schedule B) | | 7,73,392.00 |
| OTHER INCOME | | | OTHER EXPS | | |
| Pottery Wheel Training (IRG / Fees Collection) | | | Pottery Wheel Training Exps | 18,130.00 | |
| A/C INTRODUCED | | | DEPOSITS | | |
| Union Bank of India (Current A/c) | | | Gas Cylinder | 6,800.00 | |
| (Advance from Shri. P.G. Chaudhari) | | | OTHER RECEIVABLE | | |
| | | | Anil Kumar - On Account of TDS | 820.00 | |
| | | | Abhishek Kharade - On Account of TDS | 1,136.00 | |
| | | | Vivek Masane - On Account of TDS | 2,367.00 | |
| | | | CLOSING BALANCES: | | |
| | | | Union Bank of India (54) | 8,29,475.70 | |
| | | | Cash In Hand | 46,864.00 | |
| | | | | | 8,76,339.70 |
| | | | TOTAL | 22,38,797.30 | TOTAL |
| | | | | | 22,38,797.30 |

Above Receipts and payments statement is in agreement with the Books of accounts produced before us for verification.
NOTES TO ACCOUNT SCHEDULE "A"

For Shri Govind Gramin wa Shahari Vikas Sanstha, Wardha


PRESIDENT
Shri Govind Gramin Wa Shahri
 President
 S.p.h.a, WARDHA

UDIN: 23152574BGUBFN4511
 WARDHA
 Date: 28.02.2023


 AS PER OUR REPORT OF EVEN DATE
 FOR J.CHANDAK & CO
 CHARTERED ACCOUNTANTS
 (FRN.139097W)

PARTNER: PRATEEK HARKUTIYA
 M.NO.152574

245824/2023/S & T-KVIC

| SCHEDULE A : Jigger Jolly Project Exps | | SCHEDULE B: S & T Project Exps | |
|--|-------------|--------------------------------------|-------------|
| PARTICULARS | Amount | PARTICULARS | Amount |
| Jigger Jolly Expenses : | | | |
| Clay Purchase | 54,285.00 | MANPOWER EXPS | 4,32,267.00 |
| Training Programme | 2,500.00 | Salary & Wages | |
| POP Purchase | 47,550.00 | TRAVELLING EXPS | 4,910.00 |
| Salary | 24,000.00 | TRAINING EXPS | |
| Wages | 48,900.00 | RAW MATERIAL & ERECTING CHARGES | |
| | | Freight & Transportation Charges | 16,050.00 |
| TOTAL | 1,77,235.00 | Consumables, Stores & Spares | 33,836.00 |
| | | Power & Fuel Consumed | 9,913.00 |
| | | Installation of Furnace & Equipments | 2,31,461.00 |
| | | Infrared Thermometer | 5,600.00 |
| | | Burner | 10,000.00 |
| | | Furniture & Fixture | 5,200.00 |
| | | Steel Racks | 2,250.00 |
| | | Weighing Machine | 12,500.00 |
| | | Contingency Exps | |
| | | Bank Commission | |
| | | Computer Repairs & Maintenance | 1,500.00 |
| | | Hospitality | 3,390.00 |
| | | Printing & Stationery | 3,725.00 |
| | | Xerox | 790.00 |
| | | TOTAL | 7,73,392.0 |



PRESIDENT
Shri Govind Gramin Wa Shahri
Vikas Sanstha, WARDHA

245824/2023/S & T-KVIC

INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT

[Where the data of the Return of Income in Form ITR-1 (SAHAJ), ITR-2, ITR-3, ITR-4(SUGAM), ITR-5, ITR-6, ITR-7 filed and verified]
 (Please see Rule 12 of the Income-tax Rules, 1962)

**Assessment Year
2021-22**

| | | | |
|-----------|---|---------------------------------|-----------------|
| PAN | ABATS4404K | | |
| Name | SHRI GOVIND GRAMIN AND SHAHARI VIKAS SANSTHA | | |
| Address | GROUND FLOOR , Beside Jai Mahakali Hardware ,Ram nagar , NEAR SUB POST OFFICE , WARDHA,Wardha , WARDHA, Wardha , 19-Maharashtra , 91-India , 442001 | | |
| Status | AOP/BOI | Form Number | ITR-5 |
| Filed u/s | 139(4) Belated- Return filed after due date | e-Filing Acknowledgement Number | 306050780080322 |

| | | | |
|--------------------------------|---|----|-------|
| Taxable income and Tax details | Current Year business loss, if any | 1 | 0 |
| | Total Income | | 2,450 |
| | Book Profit under MAT, where applicable | 2 | 0 |
| | Adjusted Total Income under AMT, where applicable | 3 | 2,450 |
| | Net tax payable | 4 | 0 |
| | Interest and Fee Payable | 5 | 0 |
| | Total tax, interest and Fee payable | 6 | 0 |
| | Taxes Paid | 7 | 0 |
| | (+)Tax Payable /(-)Refundable (6-7) | 8 | |
| | Dividend Tax Payable | 9 | 0 |
| Distribution Tax details | Interest Payable | 10 | 0 |
| | Total Dividend tax and interest payable | 11 | 0 |
| | Taxes Paid | 12 | 0 |
| | (+)Tax Payable /(-)Refundable (11-12) | 13 | 0 |
| | Accreted Income as per section 115TD | 14 | 0 |
| | Additional Tax payable u/s 115TD | 15 | 0 |
| Accreted Income & Tax Detail | Interest payable u/s 115TE | 16 | 0 |
| | Additional Tax and interest payable | 17 | 0 |
| | Tax and interest paid | 18 | 0 |
| | (+)Tax Payable /(-)Refundable (17-18) | 19 | 0 |

Income Tax Return submitted electronically on 08-03-2022 15:34:39 from IP address 10.1.219.49 and verified by Pramod Govindrao Choudhari having PAN ABTPC0609F on 08-03-2022 15:37:33 using Electronic Verification code XIG7G16SII generated through Aadhaar OTP mode

System Generated



Barcode/QR Code

ABATS4404K053060507800803220E0AA0DF3C2E0C842D1A58CB863E4318F220735B

DO NOT SEND THIS ACKNOWLEDGEMENT TO CPC, BENGALURU

245824/2023/S & T-KVIC

| | | | |
|--------------------|---|----------------------|-----------------|
| Name of Assessee | Shri Govind Gramin And Shahari Vikas Sanstha | | |
| Address | GROUND FLOOR,Beside Jai Mahakali Hardware ,Ram nagar,NEAR SUB POST | | |
| | OFFICE,WARDHA,Wardha,WARDHA,Wardha,MAHARASHTRA,442001 | | |
| Status | AOP | Assessment Year | 2021-2022 |
| Ward | | Year Ended | 31.3.2021 |
| PAN | ABATS4404K | Formation Date | 27/07/2011 |
| Residential Status | Resident | | |
| Nature of Business | Not Applicable-Not Applicable(00002) | | |
| Filing Status | Original | | |
| Return Filed On | 08/03/2022 | Acknowledgement No.: | 306050780080322 |
| Bank Name | STATE BANK OF INDIA, WARDHA, A/C NO:11176712777 ,Type: Saving ,IFSC: SBIN0000500 | | |
| Tele: | Mob:9822201210 | | |

Computation of Total Income

Income from Other Sources (Chapter IV F)

2450

Surplus As per Income And Expenditure

2450

Gross Total Income

2450

Total Income

2450

Round off u/s 288 A

2450

Adjusted total income (ATI) is not more than Rs. 20 lakh hence AMT not applicable.

Tax Due

0

Tax Payable

0

Due Date for filing of Return July 31, 2021

Due date extended to 31/12/2021 F. No. 225/49/2021/ITA-1I Dt 09-Sep-2021

Signature

(Pramod Govindrao Choudhari)

For Shri Govind Gramin And Shahari Vikas
Sanstha

Date-08.03.2022

CompuTax :

245824/2023/S & T-KVICitor Relating to Accounts Audited U/sub-section (2) of Sec. 33 & 34 and 19 of The Bombay Public Trust Act

Name of Trust : Shri Govind Gramin & Shahari Vikas Sanstha, Dist - Wardha
 Registration No. : F-6712 (Wardha)

For the Year Ended 31st March 2021

- A Whether account are maintained regularly and in accordance with the provisions of act and the rules. : Yes
- b Whether receipts and disbursements are properly and correctly shown in the accounts : Yes
- c Whether the cash balance and vouchers in the custody of the manager or trustee on the date of audit were in agreement with the account : Cash physically not verified
- d Whether all book, accounts, vouchers or other documents or records required by the auditor were produced before him; : Yes
- e Whether a register of movable and immovable properties in properly maintained, the changes therein are communicated from time to the regional office and inaccuracies mentioned in the previous audit report have been duly complied with : Not produced before us
- f Whether the manager or trustee or any other person required by the auditor to appear before him did so and furnished the necessary information required by him; : Yes
- g Whether any property or funds of the trust ware applied for any object or purpose other than the object or purpose of the trust : No
- h The amount of outstanding for more than one year the amount written off, if any ; : No
- i Whether tenders were invited for repairs or construction involving expenditure exceeding Rs.5000 /; : No such work done
- j Whether any money of the public trust has been invested contrary to the provisions of section 35 ; : Nil
- k Alienations if any , of the immovable property contrary to provisions of section 36 which have come to the notice or the auditor ; : Not come to our notice
- l All cases of irregular, illegal or improper expenditure, or failure or commission to recover money or other property belonging to the public trust or of loss or waste of money or other property thereof and whether such expenditure failure omission loss or waste was caused in consequences of breach to trust or misapplication or any other misconduct on the part of trustees or any other person while in management of trust. : No
- m Whether the budget has been led in the form provided by the rule
(Copy of Budget has not been produced before us) : Not Produced
- n Whether the maximum no. of trustees is maintained : }Not
- o Whether meetings are held regularly as provided in such instruments : }produced
- p Whether the minute book of the proceeding of the meeting is maintained : }before us
- q Whether any of trustees has any interest in the investment of trust : No
- r Whether any of trustees is debtor or creditor of trust : N.A.
- s Whether irregularities pointed out by Auditor in account of previous year have been duly complied by trustees during period of Audit : N.A.
- t Any special matter which auditor may think fit or necessary to bring to the notice of the Deputy or Assistant Commissioner : No

Date : 07.03.2022

Place: Wardha

For Bhutada Jain & Gatagat
Chartered Accountants
FRN 126067 W



Nikita M. Baid
Partner
Mem. No. 191599

GS - 10, Deewan Plaza, Lokmat Square, Nagpur
 "Sai Tejas", Malgujaripura, Wardha. Mob - 9404539300

245824/2023/S & T-KVIC

THE BOMBAY PUBLIC TRUST ACT 1950
SCHEDULE IX C

Statement of income liable to contribution for the year ended 31st March 2021
Shri Govind Gramin & Shahari Vikas Sanstha, Dist- Wardha
Registration No. : F-6712 (Wardha)

| | | |
|--|--|----------|
| I. Income as shown in Income & Expenditure Account Schedule IX | | 3,32,948 |
| II. <u>Item Not Chargeable To Contribution Under Section 58 & Rule 37</u> | | |
| i. Donation received from other trust and dharmadar | | |
| ii. Grants by Government and local authorities | | |
| iii. Interest on Sinking or Depreciation Fund | | |
| iv. Amount Spent for the purpose of secular education | | |
| v. Amount Spent for purpose of medical relief | | |
| vi. Amount Spent for the purpose of veterinary treatment of animals | | |
| vii. Expenditure incurred from donations for relief of distress caused by scarcity, draught, flood, fire or other natural calamities | | |
| viii. Deduction out of income from land used for agricultural purpose:- | | |
| a. Land Revenue & Local Fund Cess | | |
| b. Rent payable to superior land lord | | |
| c. Cost of production if land is cultivated by trust | | |
| ix. Deduction out of income from land used for non agricultural purpose:- | | |
| a. Assessment cess & other government municipal tax & G.P. Tax | | |
| b. Ground rent payable to superior landlord | | |
| c. Insurance premium | | |
| d. Repairs at 10% of gross rent of building | | |
| e. Cost of collection at 4% of gross rent of building let | | |
| x. Cost of collection of income or receipts from securities, stocks etc of 1 % of such income | | |
| xi. Deduction on account of repairs in respect of building not rented out & yielding no income at 10% of estimated gross annual rent | | |
| Gross annual Income chargeable to Contribution Rs. | | ===== |
| | | 3,32,948 |

For Bhutada Jain & Gatagat
Chartered Accountants

FRN 126067 W

Nikita M. Baid
Partner
Mem. No. 191599

Date : 07.03.2022

Place: Wardha



245824/2023/S & T-KVIC

The Bombay Public Trusts Act, 1950

SCHEDULE - VIII

[Vide Rule 17 (1)]

Name of the Public Trust : Shri Govind Gramin & Shahari Vikas Sanstha, Wardha
 Registration No. : F-6712 (Wardha)

Balance Sheet As On : 31ST MARCH 2021

| Funds & Liabilities | ₹ | ₹ | Property & Assets | ₹ | ₹ |
|--|-------|-------|--|-------|-------|
| <u>Trust Funds or Corpus :-</u> | | | <u>Furniture & Fixed Assets</u> | | |
| Lifetime Membership Fees | | 7000 | Balance as per last Balance Sheet | 12500 | |
| Other Earmarked Funds :- (Created under the provision of trust deed) or scheme or out of the Income) | | | Addition during the year | 0 | |
| Depreciation Fund | 0 | | Less: Sales during the year | 0 | |
| Sinking Fund | 0 | | Less: Depreciation up to date | 0 | 12500 |
| Reserve Fund | 0 | | <u>Building Construction</u> | | |
| Books Fund | 0 | 0 | Balance as per last Balance Sheet | 0 | |
| Loan (Secured or Unsecured) :- | | | Addition during the year | 0 | |
| From Trustees | 0 | | Less: Sales during the year | 0 | |
| From Others | 0 | 0 | Less: Depreciation up to date | 0 | 0 |
| <u>Liabilities :-</u> | | | <u>Investments :-</u> | | |
| For Expenses | 0 | | Suitable classified, given mode of valuation | | 0 |
| For Rent & Other Deposits | 0 | | <u>Loans Secured Or Unsecured</u> | | |
| For Security Deposit | 0 | 0 | Loans Scolarship | 0 | |
| <u>Income & Expenditure Account :-</u> | | | Other Loans | 0 | 0 |
| Balance as per last Balance Sheet | 25350 | | <u>Advnaces :-</u> | | |
| Less: Appropriation, if any | 0 | | Trustee | 0 | |
| Add :Surplus as per Income & Exp. A/c | 2450 | 27800 | Employees | 0 | 0 |
| Total | | 34800 | <u>Cash and Bank Balances :-</u> | | |
| | | | (a) With Managers | 0 | |
| | | | (b) With Others | 22300 | |
| | | | (c) With the Trustees | 0 | 22300 |
| | | | Total | | 34800 |

Certified that the above statement exhibits true & correct view of the state of affairs of Trust

Wardha
 March 7, 2022

As Per Our Report of Even Date
 For Bhutada Jain & Gatagat
 Chartered Accountants
 FRN 126067 W



Nikita M. Baid
 Partner
 M.NO.191599

245824/2023/S & T-KVIC

The Bombay Public Trusts Act, 1950

SCHEDULE - IX

[Vide Rule 17 (1)]

Name of the Public Trust : Shri Govind Gramin & Shahari Vikas Sanstha, Wardha
 Registration No. : F-6712 (Wardha)

Income & Expenditure Account for the year ending : 31ST MARCH 2021

| EXPENDITURE | ₹ | ₹ | INCOME | ₹ | ₹ |
|--|--------|--------|------------------------------------|---|--------|
| <u>Expenditure in respect of Properties</u> | | | Rent (accrued)(realised) | | 0 |
| Rent, Rates, Taxes, Cesse | 0 | | | | |
| Repairs and Maintenance | 0 | | <u>Interest (accrued) realised</u> | | |
| Salaries | 0 | | On Securities | 0 | |
| Insurance | 0 | | On Loans | 0 | |
| Depreciation (by way of prov. of adjust.) | 0 | 0 | On Bank Account | 0 | 0 |
| Other Expenses | 0 | | | | |
| Salaries | | 84000 | Dividend | | 0 |
| Establishment Expenses | | 0 | | | |
| Remuneration to Trustees | | 0 | Donation in cash or kind | | 264948 |
| Remuneration (in the case of a Math to the head of the Math, including his household expenditure if any) | | 0 | | | |
| Legal Expenses (Accounting Fees) | | 0 | <u>Grant In Aid</u> | | |
| Audit Fees | | 0 | | | |
| Contribution and Fees | | 0 | <u>Income From Other Sources</u> | | |
| Amount Written off : | | | Members Contribution | | 68000 |
| (a) Bad Debts | 0 | | | | |
| (b) Loan Scholarship | 0 | | | | |
| (c) Irrecoverable Rents | 0 | | Transfer from Reserve | | 0 |
| (d) Other Items | 0 | | | | |
| <u>Miscellaneous Expenditure</u> | | | | | |
| (As Per Receipt Payment) | | 1229 | | | |
| Depreciation | | | | | |
| Amount Transferred to Resrv or Specific Funds | | 0 | | | |
| <u>Expenditure on Object of the Trust :</u> | | | | | |
| (a) Religious | 0 | | | | |
| (b) Educational | 0 | | | | |
| (c) Medical Relief | 0 | | | | |
| (d) Relief of Poverty | 0 | | | | |
| (e) Other Charitable Objects | 245269 | 245269 | | | |
| Surplus carried over to Balance Sheet | | 2450 | | | |
| Total | | 332948 | Total | | 332948 |

Certified that the above statement exhibits true & correct view of the state of affairs of Trust

As Per Our Report of Even Date
 For Bhutada Jain & Gatagat
 Chartered Accountants

FRN 126067 W



Nikita M. Baid
 Partner
 M.NO.191599

Wardha
 March 7, 2022

245824/2023/S & T-KVIC

Shri Govind Gramin And Shahari Vikas Sanstha, Wardha

Receipts & Payments A/c

For The Year Ending 31st March 2021

| Receipts | Amount | Payments | Amount |
|----------------------|--------|-----------------------------|-------------|
| Opening Balances | 19850 | Miscellaneous | |
| | | Meeting Expenses | 750 |
| | | Office Expenses | 225 |
| | | Bank Charges | <u>254</u> |
| | | | 1229 |
| Donation | 264948 | Expenditure Object Of Trust | |
| Members Contribution | 68000 | Computer Training Progra | 36550 |
| | | Empowerment Camp | 37675 |
| | | Livelihood Training Camp | 42225 |
| | | Traning to SHG | 23475 |
| | | Employment Awareness C | 32500 |
| | | Awareness for Rain water | 25200 |
| | | Health Camp | 12500 |
| | | Sanskar Shibir | 16540 |
| | | Registration Fees (KVIC) | 10084 |
| | | Yoga Camp | <u>8520</u> |
| | | | 245269 |
| | | Salary | 84000 |
| | | Closing Balance | |
| | | Cash in Hand | 22300 |
| Total | 352798 | Total | 352798 |

Certified that the above statement exhibits true & correct view of the state of affairs of Trust.

Wardha
March 7, 2022

As Per Our Report of Even Date
For Bhutada Jain & Gatagat
Chartered Accountants

FRN 126067 W

Nikita M. Baid
Partner
M.NO.191599





TRACES

TDS Reconciliation Analysis and Correction Enabling System



Form 26AS

Annual Tax Statement under Section 203AA of the Income Tax Act, 1961

- See Section 203AA and second provision to Section 206C (5) of the Income Tax Act, 1961 and Rule 31AB of Income Tax Rules, 1962

| Permanent Account Number (PAN) | ABATS4404K | Current Status of PAN | Active | Financial Year | 2020-21 | Assessment Year | 2021-22 |
|--------------------------------|--|-----------------------|--------|----------------|---------|-----------------|---------|
| Name of Assessee | SHRI GOVIND GRAMIN AND SHAHARI VIKAS SANSTHA | | | | | | |
| Address of Assessee | C/O PRAMOD G CHAUDHARI, RAM NAGAR, AT RAMNAGAR, WARDHA, , MAHARASHTRA, 442001 | | | | | | |

- Above data / Status of PAN is as per PAN details. For any changes in data as mentioned above, you may submit request for corrections Refer www.tin-nsdl.com / www.utitsl.com for more details. In case of discrepancy in status of PAN please contact your Assessing Officer
- Communication details for TRACES can be updated in 'Profile' section. However, these changes will not be updated in PAN database as mentioned above

PART A - Details of Tax Deducted at Source

(All amount values are in INR)

| No. | Name of Deductor | | TAN of Deductor | Total Amount Paid/ Credited | Total Tax Deducted # | Total TDS Deposited | | |
|-------------------------|----------------------|------------------|--------------------|--------------------------------|----------------------|---------------------------|-----------------|---------------|
| Sr. No. | Section ¹ | Transaction Date | Status of Booking* | Date of Booking | Remarks** | Amount Paid / Credited | Tax Deducted ## | TDS Deposited |
| No Transactions Present | | | | | | | | |

PART A1 - Details of Tax Deducted at Source for 15G / 15H

| Sr. No. | Name of Deductor | | TAN of Deductor | Total Amount Paid / Credited | Total Tax Deducted # | Total TDS Deposited | |
|-------------------------|----------------------|------------------|-----------------|---------------------------------|----------------------|------------------------|---------------|
| Sr. No. | Section ¹ | Transaction Date | Date of Booking | Remarks** | Amount Paid/Credited | Tax Deducted ## | TDS Deposited |
| No Transactions Present | | | | | | | |

PART A2 - Details of Tax Deducted at Source on Sale of Immovable Property u/s 194IA / TDS on Rent of Property u/s 194IB / TDS on payment to resident contractors and professionals u/s 194M (For Seller/Landlord of Property/Payee of resident contractors and professionals)

| Sr. No. | Acknowledgement Number | Name of Deductor | PAN of Deductor | Transaction Date | Total Transaction Amount | Total TDS Deposited*** |
|--------------------------------|---------------------------|------------------|--------------------|------------------|-----------------------------|---------------------------|
| Sr. No. | TDS Certificate Number | Date of Deposit | Status of Booking* | Date of Booking | Demand Payment | TDS Deposited*** |
| Gross Total Across Deductor(s) | | | | | | |

No Transactions Present

PART B - Details of Tax Collected at Source

| Sr. No. | Name of Collector | | TAN of Collector | Total Amount Paid/ Debited | Total Tax Collected * | Total TCS Deposited | | |
|-------------------------|----------------------|------------------|--------------------|-------------------------------|-----------------------|-------------------------|------------------|---------------|
| Sr. No. | Section ¹ | Transaction Date | Status of Booking* | Date of Booking | Remarks** | Amount Paid/ Debited | Tax Collected ++ | TCS Deposited |
| No Transactions Present | | | | | | | | |

PART C - Details of Tax Paid (other than TDS or TCS)

| Sr. No. | Major ³ Head | Minor ² Head | Tax | Surcharge | Education Cess | Penalty | Interest | Others | Total Tax | BSR Code | Date of Deposit | Challan Serial Number | Remarks** |
|-------------------------|----------------------------|----------------------------|-----|-----------|-------------------|---------|----------|--------|-----------|----------|--------------------|-----------------------------|-----------|
| No Transactions Present | | | | | | | | | | | | | |

Part D - Details of Paid Refund

| Sr. No. | Assessment Year | Mode | Refund Issued | Nature of Refund | Amount of Refund | Interest | Date of Payment | Remarks |
|-------------------------|-----------------|------|---------------|------------------|------------------|----------|-----------------|---------|
| No Transactions Present | | | | | | | | |

Part E - Details of SFT Transaction

| Sr. No. | Type Of Transaction | Name of SFT Filer | Transaction Date | Amount (Rs.) | Remarks** |
|-------------------------|---------------------|-------------------|------------------|--------------|-----------|
| No Transactions Present | | | | | |

Notes for SFT: -

- Amount shown for SFT-005 and SFT-010 is as per below formula:-
Aggregate gross amount received from the Person (-) Aggregate gross amount paid to the Person

PART F - Details of Tax Deducted at Source on Sale of Immovable Property u/s 194IA / TDS on Rent of Property u/s 194IB / TDS on payment to resident contractors and professionals u/s

245824/2023/S & T-KVIC

INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT

[Where the data of the Return of Income in Form ITR-1 (SAHAJ), ITR-2, ITR-3,
 ITR-4(SUGAM), ITR-5, ITR-6, ITR-7 filed and verified]
 (Please see Rule 12 of the Income-tax Rules, 1962)

**Assessment Year
2020-21**

| | | | |
|-----------------------------------|--|---------------------------------|-----------------|
| PAN | ABATS4404K | | |
| Name | Shri Govind Gramin And Shahari Vikas Sanstha | | |
| Address | GROUND FLOOR, Beside Jai Mahakali Hardware ,Ram nagar, NEAR SUB POST OFFICE, WARDHA,Wardha, WARDHA,Wardha, MAHARASHTRA, 442001 | | |
| Status | AOP/BOI | Form Number | ITR-5 |
| Filed u/s | 139(1)-On or before due date | e-Filing Acknowledgement Number | 663036340201020 |
| Taxable Income and Tax details | Current Year business loss, if any | 1 | 0 |
| | Total Income | | 17850 |
| | Book Profit under MAT, where applicable | 2 | 0 |
| | Adjusted Total Income under AMT, where applicable | 3 | 17850 |
| | Net tax payable | 4 | 0 |
| | Interest and Fee Payable | 5 | 0 |
| | Total tax, interest and Fee payable | 6 | 0 |
| | Taxes Paid | 7 | 0 |
| | (+/-)Tax Payable /(-)Refundable (6-7) | 8 | 0 |
| | | | |
| Dividend Distribution Tax details | Dividend Tax Payable | 9 | 0 |
| | Interest Payable | 10 | 0 |
| | Total Dividend tax and interest payable | 11 | 0 |
| | Taxes Paid | 12 | 0 |
| | (+/-)Tax Payable /(-)Refundable (11-12) | 13 | 0 |
| Accrued Income & Tax Detail | Accrued Income as per section 115TD | 14 | 0 |
| | Additional Tax payable u/s 115TD | 15 | 0 |
| | Interest payable u/s 115TE | 16 | 0 |
| | Additional Tax and interest payable | 17 | 0 |
| | Tax and interest paid | 18 | 0 |
| | (+/-)Tax Payable /(-)Refundable (17-18) | 19 | 0 |
| | | | |

Income Tax Return submitted electronically on 20-10-2020 17:23:53 from IP address 103.56.197.54 and verified by

Pramod Govindrao Choudhari

having PAN ABTPC0609F on 20-10-2020 17:38:51 from IP address 103.56.197.54 using

Electronic Verification Code 6N6E5VTAQI generated through Aadhaar OTP mode.

DO NOT SEND THIS ACKNOWLEDGEMENT TO CPC, BENGALURU

245824/2023/S & T-KVIC

| | | | |
|--------------------|--|-----------------|------------|
| Name of Assessee | Shri Govind Gramin And Shahari Vikas Sanstha | | |
| Address | Beside Jai Mahakali Hardware ,Ram nagar,GROUND FLOOR,NEAR SUB POST | | |
| Status | AOP | Assessment Year | 2020-2021 |
| Ward | | Year Ended | 31.3.2020 |
| PAN | ABATS4404K | Formation Date | 27/07/2011 |
| Residential Status | Resident | | |
| Nature of Business | Not Applicable-Not Applicable(00002) | | |
| Filing Status | Original | | |
| Bank Name | STATE BANK OF INDIA, WARDHA, A/C NO:11176712777 ,Type: Saving ,IFSC: SBIN0000500 | | |
| Tele: | Mob:9822201210 | | |

Computation of Total Income

Income from Other Sources (Chapter IV F)

17850

Surplus As per Income And Expenditure

17850

Gross Total Income

17850

Total Income

17850

Round off u/s 288 A

17850

Adjusted total income (ATI) is not more than Rs. 20 lakh hence AMT not applicable.

Tax Due

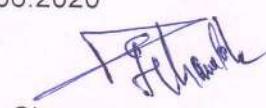
0

Tax Payable

0

Due Date for filing of Return July 31, 2020

Due date extended to 30/11/2020 35/2020/F.No. 370142/23/2020-TPL DT. 24.06.2020



Signature

(Pramod Govindrao Choudhari)

For Shri Govind Gramin And Shahari Vikas
Sanstha

Date-20.10.2020

CompuTax :

245824/2023/S & T-KVIC

Data updated till 19-Oct-2020



TDS

Centralized Processing Cell

TRACES

TDS Reconciliation Analysis and Correction Enabling System



Form 26AS

Annual Tax Statement under Section 203AA of the Income Tax Act, 1961

- See Section 203AA and second provision to Section 206C (5) of the Income Tax Act, 1961 and Rule 31AB of Income Tax Rules, 1962

| Permanent Account Number (PAN) | ABATS4404K | Current Status of PAN | Active | Financial Year | 2019-20 | Assessment Year | 2020-21 |
|--------------------------------|---|-----------------------|--------|----------------|---------|-----------------|---------|
| Name of Assessee | SHRI GOVIND GRAMIN AND SHAHARI VIKAS SANSTHA | | | | | | |
| Address of Assessee | C/O PRAMOD G CHAUDHARI, RAM NAGAR, AT RAMNAGAR, WARDHA, MAHARASHTRA, 442001 | | | | | | |

- Above data / Status of PAN is as per PAN details. For any changes in data as mentioned above, you may submit request for corrections Refer www.tin-nsdl.com / www.utiitsl.com for more details. In case of discrepancy in status of PAN please contact your Assessing Officer
- Communication details for TRACES can be updated in 'Profile' section. However, these changes will not be updated in PAN database as mentioned above

PART A - Details of Tax Deducted at Source

(All amount values are in INR)

| Sr. No. | Name of Deductor | | | TAN of Deductor | Total Amount Paid/ Credited | Total Tax Deducted # | Total TDS Deposited | |
|-------------------------|----------------------|------------------|--------------------------------|-----------------|-----------------------------|------------------------|---------------------|---------------|
| Sr. No. | Section ¹ | Transaction Date | Status of Booking [*] | Date of Booking | Remarks** | Amount Paid / Credited | Tax Deducted ## | TDS Deposited |
| No Transactions Present | | | | | | | | |

PART A1 - Details of Tax Deducted at Source for 15G / 15H

| Sr. No. | Name of Deductor | | | TAN of Deductor | Total Amount Paid / Credited | Total Tax Deducted # | Total TDS Deposited |
|-------------------------|----------------------|------------------|-----------------|-----------------|------------------------------|----------------------|---------------------|
| Sr. No. | Section ¹ | Transaction Date | Date of Booking | Remarks** | Amount Paid/Credited | Tax Deducted ## | TDS Deposited |
| No Transactions Present | | | | | | | |

PART A2 - Details of Tax Deducted at Source on Sale of Immovable Property u/s 194IA/ TDS on Rent of Property u/s 194IB / TDS on payment to resident contractors and professionals u/s 194M (For Seller/Landlord of Property/Payee of resident contractors and professionals)

| Sr. No. | Acknowledgement Number | Name of Deductor | | PAN of Deductor | Transaction Date | Total Transaction Amount | Total TDS Deposited*** |
|--------------------------------|------------------------|------------------|--------------------|-----------------|------------------|--------------------------|------------------------|
| Sr. No. | TDS Certificate Number | Date of Deposit | Status of Booking* | Date of Booking | Demand Payment | TDS Deposited**** | |
| Gross Total Across Deductor(s) | | | | | | | |

No Transactions Present

PART B - Details of Tax Collected at Source

| Sr. No. | Name of Collector | | | | TAN of Collector | Total Amount Paid/ Debited | Total Tax Collected + | Total TCS Deposited |
|-------------------------|----------------------|------------------|--------------------------------|-----------------|------------------|----------------------------|-----------------------|---------------------|
| Sr. No. | Section ¹ | Transaction Date | Status of Booking [*] | Date of Booking | Remarks** | Amount Paid/ Debited | Tax Collected ++ | TCS Deposited |
| No Transactions Present | | | | | | | | |

PART C - Details of Tax Paid (other than TDS or TCS)

| Sr. No. | Major Head ³ | Minor Head ² | Tax | Surcharge | Education Cess | Others | Total Tax | BSR Code | Date of Deposit | Challan Serial Number | Remarks** |
|-------------------------|-------------------------|-------------------------|-----|-----------|----------------|--------|-----------|----------|-----------------|-----------------------|-----------|
| No Transactions Present | | | | | | | | | | | |

Part D - Details of Paid Refund

| Sr. No. | Assessment Year | Mode | Refund Issued | Nature of Refund | Amount of Refund | Interest | Date of Payment | Remarks |
|-------------------------|-----------------|------|---------------|------------------|------------------|----------|-----------------|---------|
| No Transactions Present | | | | | | | | |

Part E - Details of SFT Transaction

| Sr. No. | Type Of Transaction ⁴ | Name of SFT Filer | Transaction Date | Amount (Rs.) | Remarks** |
|-------------------------|----------------------------------|-------------------|------------------|--------------|-----------|
| No Transactions Present | | | | | |

Notes For SFT: Due date for filing Statement for Financial Transactions by specified entities (Filers) is 31st May, immediately following the FY in which transaction is registered / recorded. This section will be updated after filing SFT.

PART F - Details of Tax Deducted at Source on Sale of Immovable Property u/s 194IA/ TDS on Rent of Property u/s 194IB / TDS on payment to resident contractors and professionals u/s 194M (For Buyer/Tenant of Property/Payer of resident contractors and professionals)

245824/2023/S & T KVIC or Relating to Accounts Audited U/sub-section (2) of Sec. 33 & 34 and 19 of The
Bombay Public Trust Act

Name of Trust : Shri Govind Gramin & Shahari Vikas Sanstha, Dist - Wardha
Registration No. : F-6712 (Wardha)

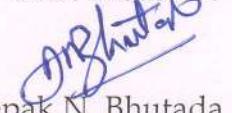
For the Year Ended 31st March 2020

- A Whether account are maintained regularly and in accordance with the provisions of : Yes act and the rules.
- b Whether receipts and disbursements are properly and correctly shown in the : Yes accounts
- c Whether the cash balance and vouchers in the custody of the manager or trustee on : Cash the date of audit were in agreement with the account: physically not verified
- d Whether all book, accounts, vouchers or other documents or records required by the : Yes auditor were produced before him;
- e Whether a register of movable and immovable properties in properly maintained, : Not the changes therein are communicated from time to the regional office and produced inaccuracies mentioned in the previous audit report have been duly complied with before us
- f Whether the manager or trustee or any other person required by the auditor to : Yes appear before him did so and furnished the necessary information required by him;
- g Whether any property or funds of the trust ware applied for any object or purpose : No other than the object or purpose of the trust ;
- h The amount of outstanding for more than one year the amount written off, if any : No ;
- i Whether tenders were invited for repairs or construction involving expenditure exceeding Rs.5000 /; : No such work done
- j Whether any money of the public trust has been invested contrary to the provisions : Nil of section 35 ;
- k Alienations if any , of the immovable property contrary to provisions of section 36 : Not come to which have come to the notice or the auditor ; our notice
- l All cases of irregular, illegal or improper expenditure, or failure or commission to : No recover money or other property belonging to the public trust or of loss or waste of money or other property thereof and whether such expenditure failure omission loss or waste was caused in consequences of breach to trust or misapplication or any other misconduct on the part of trustees or any other person while in management of trust.
- m Whether the budget has been led in the form provided by the rule : Not
(Copy of Budget has not been produced before us) Produced
- n Whether the maximum no. of trustees is maintained : }Not
- o Whether meetings are held regularly as provided in such instruments : }produced
- p Whether the minute book of the proceeding of the meeting is maintained : }before us
- q Whether any of trustees has any interest in the investment of trust : No
- r Whether any of trustees is debtor or creditor of trust : N.A.
- s Whether irregularities pointed out by Auditor in account of previous year have : N.A. been duly complied by trustees during period of Audit
- t Any special matter which auditor may think fit or necessary to bring to the notice of : No the Deputy or Assistant Commissioner

For Bhutada Jain & Gatagat

Chartered Accountants

FRN 126067 W



Deepak N. Bhutada

Partner

Mem. No. 118268

Date: 20.10.2020

Place: Wardha



GS - 10, Deewan Plaza, Lokmat Square, Nagpur
“Sai Tejas”, Malgujaripura, Wardha. Mob - 9404539300

245824/2023/S & T-KVIC

THE BOMBAY PUBLIC TRUST ACT 1950
SCHEDULE IXC

Statement of income liable to contribution for the year ended 31st March 2020
Shri Govind Gramin & Shahari Vikas Sanstha, Dist- Wardha
 Registration No. : F-6712 (Wardha)

| | |
|--|----------|
| I. Income as shown in Income & Expenditure Account Schedule IX | 5,32,530 |
| II. <u>Item Not Chargeable To Contribution Under Section 58 & Rule 37</u> | |
| i. Donation received from other trust and dharmadar | |
| ii. Grants by Government and local authorities | |
| iii. Interest on Sinking or Depreciation Fund | |
| iv. Amount Spent for the purpose of secular education | |
| v. Amount Spent for purpose of medical relief | |
| vi. Amount Spent for the purpose of veterinary treatment of animals | |
| vii. Expenditure incurred from donations for relief of distress caused by scarcity, draught, flood, fire or other natural calamities | |
| viii. Deduction out of income from land used for agricultural purpose:- | |
| a. Land Revenue & Local Fund Cess | |
| b. Rent payable to superior land lord | |
| c. Cost of production if land is cultivated by trust | |
| ix. Deduction out of income from land used for non agricultural purpose:- | |
| a. Assessment cess & other government municipal tax & G.P. Tax | |
| b. Ground rent payable to superior landlord | |
| c. Insurance premium | |
| d. Repairs at 10% of gross rent of building | |
| e. Cost of collection at 4% of gross rent of building let | |
| x. Cost of collection of income or receipts from securities, stocks etc of 1 % of such income | |
| xi. Deduction on account of repairs in respect of building not rented out & yielding no income at 10% of estimated gross annual rent | |
| Gross annual Income chargeable to Contribution Rs. | ===== |
| | 5,32,530 |

Date: 20.10.2020
 Place: Wardha



For Bhutada Jain & Gatagat
 Chartered Accountants

FRN 126067 W

Deepak N. Bhutada
 Partner
 Mem. No. 118268

245824/2023/S & T-KVIC

The Bombay Public Trusts Act, 1950

SCHEDULE - VIII

[Vide Rule 17 (1)]

Name of the Public Trust : Shri Govind Gramin & Shahari Vikas Sanstha, Wardha
 Registration No. : F-6712 (Wardha)

Balance Sheet As On : 31ST MARCH 2020

| Funds & Liabilities | ₹ | ₹ | Property & Assets | ₹ | ₹ |
|--|-------|-------|--|-------|-------|
| Trust Funds or Corpus :- | | | Furniture & Fixed Assets | | |
| Lifetime Membership Fees | | 7000 | Balance as per last Balance Sheet | 0 | |
| | | | Addition during the year | 12500 | |
| Other Earmarked Funds :- | | | Less: Sales during the year | 0 | |
| (Created under the provision of trust deed) or scheme or out of the Income) | | | Less: Depreciation up to date | 0 | 12500 |
| Depreciation Fund | 0 | | Temple Construction | | |
| Sinking Fund | 0 | | Balance as per last Balance Sheet | 0 | |
| Reserve Fund | 0 | | Addition during the year | 0 | |
| Books Fund | 0 | | Less: Sales during the year | 0 | |
| | | | Less: Depreciation up to date | 0 | 0 |
| Loan (Secured or Unsecured) :- | | | Investments :- | | |
| From Trustees | 0 | | Suitable classified, given mode of valuation | 0 | |
| From Others | 0 | | Loans Secured Or Unsecured | | |
| | | | Loans Scolarship | 0 | |
| Liabilities :- | | | Other Loans | 0 | 0 |
| For Expenses | 0 | | Advnaces :- | | |
| For Rent & Other Deposits | 0 | | Trustee | 0 | |
| For Security Deposit | 0 | | Employees | 0 | 0 |
| | | | | | |
| Income & Expenditure Account :- | | | Cash and Bank Balances :- | | |
| Balance as per last Balance Sheet | 7500 | | (a) With Managers | 0 | |
| Less: Appropriation, if any | 0 | | (b) With Others | 19850 | |
| Add :Surplus as per Income & Exp. A/c | 17850 | 25350 | (c) With the Trustees | 0 | 19850 |
| | | | | | |
| Total | | 32350 | Total | | 32350 |
| | | | | | |

Certified that the above statement exhibits true & correct view of the state of affairs of Trust

Wardha

20 October 2020

As Per Our Report of Even Date
 For Bhutada Jain & Gatagat
 Chartered Accountants
 FRN 126067 W



Deepak N. Bhutada
 Partner
 M.NO.118268

245824/2023/S & T-KVIC

The Bombay Public Trusts Act, 1950

SCHEDULE - IX

[Vide Rule 17 (1)]

Name of the Public Trust : Shri Govind Gramin & Shahari Vikas Sanstha, Wardha
 Registration No. : F-6712 (Wardha)

Income & Expenditure Account for the year ending : 31ST MARCH 2020

| EXPENDITURE | ₹ | ₹ | INCOME | ₹ | ₹ |
|--|--------|--------|-----------------------------|---|--------|
| Expenditure in respect of Properties | | | Rent (accrued)(realised) | | 0 |
| Rent, Rates, Taxes, Cesse | 0 | | | | |
| Repairs and Maintenance | 0 | | Interest (accrued) realised | | |
| Salaries | 0 | | On Securities | 0 | |
| Insurance | 0 | | On Loans | 0 | |
| Depreciation (by way of prov. of adjust.) | 0 | 0 | On Bank Account | 0 | 0 |
| Other Expenses | | 0 | | | |
| Salaries | | 78000 | Dividend | | 0 |
| Establishment Expenses | | 0 | | | |
| Remuneration to Trustees | | 0 | Donation in cash or kind | | 460530 |
| Remuneration (in the case of a Math to the head of the Math, including his household expenditure if any) | | 0 | | | |
| Legal Expenses (Accounting Fees) | | 0 | Grant In Aid | | |
| Audit Fees | | 0 | | | |
| Contribution and Fees | | | Income From Other Sources | | |
| Amount Written off : | | | Members Contribution | | 72000 |
| (a) Bad Debts | 0 | | | | |
| (b) Loan Scholarship | 0 | | | | |
| (c) Irrecoverable Rents | 0 | | Transfer from Reserve | | 0 |
| (d) Other Items | 0 | | | | |
| Miscellaneous Expenditure | | | | | |
| (As Per Receipt Payment) | | 2450 | | | |
| Depreciation | | | | | |
| Amount Transferred to Resv'e or Specific Funds | | 0 | | | |
| Expenditure on Object of the Trust : | | | | | |
| (a) Religious | 0 | | | | |
| (b) Educational | 0 | | | | |
| (c) Medical Relief | 0 | | | | |
| (d) Relief of Poverty | 0 | | | | |
| (e) Other Charitable Objects | 434230 | 434230 | | | |
| Surplus carried over to Balance Sheet | | 17850 | | | |
| Total | | 532530 | Total | | 532530 |

Certified that the above statement exhibits true & correct view of the state of affairs of Trust

Wardha
 20 October 2020

As Per Our Report of Even Date
 For Bhutada Jain & Gatagat
 Chartered Accountants

FRN 126067 W



Deepak N. Bhutada
 Partner
 M.NO.118268

245824/2023/S & T-KVIC

Shri Govind Gramin And Shahari Vikas Sanstha, Wardha

Receipts & Payments A/c

For The Year Ending 31st March 2020

| Receipts | Amount | Payments | Amount |
|----------------------|--------|------------------------------------|--------------|
| Opening Balances | 14500 | Miscellaneous | |
| | | Meeting Expenses | 490 |
| | | Office Expenses | <u>1960</u> |
| | | | 2450 |
| Donation | 460530 | <u>Expenditure Object Of Trust</u> | |
| Members Contribution | 72000 | Computer Training Progra | 44500 |
| | | Empowerment Camp | 49320 |
| | | Livelihood Training Camp | 43210 |
| | | Traning to SHG | 34800 |
| | | Employment Awareness C | 68400 |
| | | Awareness for Rain water | 49400 |
| | | Health Camp | 62700 |
| | | Sanskrit Shibir | 62100 |
| | | Yoga Camp | <u>19800</u> |
| | | | 434230 |
| | | Salary | 78000 |
| | | Furniture | 12500 |
| | | <u>Closing Balance</u> | |
| | | Cash in Hand | 19850 |
| Total. | 547030 | Total | 547030 |

Certified that the above statement exhibits true & correct view of the state of affairs of Trust.

Wardha
20/10/2020

As Per Our Report of Even Date
For Bhutada Jain & Gatagat
Chartered Accountants

FRN 126067 W

Deepak N. Bhutada
Partner
M.NO.118268