

ame of Work :- Repair to sliding type 0.9x0.9 M Head Regulator Gate and canal gates of various sizes of Pimpalgaon Tank under Executive Engineer, Akola Irrigation Division, Akola

### ABSTRACT

| Sr. No.   | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quantity | Rate           | Am           |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|--------------|
| <b>A)</b> | <b>Repair to 0.9x0.9 m Head Regulator of Pimpalgaon Chambhare M. I. Tank</b>                                                                                                                                                                                                                                                                                                                                                                                             |          |                |              |
| 1         | Providing and supplying Single Thrust ball Bearing 51217 - 2 Nos. of Head of Head regulator of size 0.9 x 0.9 Mtr. Complete with cost of material, sundry material and labour charges. (RA - 1)                                                                                                                                                                                                                                                                          | 1        | No 19795.58    | 19795.58     |
|           | i) SKF Single Thrust Ball Bearing 51217 - 2 Nos                                                                                                                                                                                                                                                                                                                                                                                                                          | 1        | No (3524.90)   | (3524.90)    |
| 2         | Cleaning of square threaded and v- threaded portion of Stem rods by Cleaning agent and applying M. P. Grease to threaded portion of Canal Gate of size 0.90 x 0.90 Mtr - 1 No. Complete with cost of material and labour charges. (RA-2)                                                                                                                                                                                                                                 |          | 215.523        | 215.523      |
| 3         | Providing and applying anticorrosive coal tar black paint IS290-1961 in two coats including surface preparation, chipping the welding, cleaning spatters, dust etc. Complete as directed. (RA-3)                                                                                                                                                                                                                                                                         | 1        | No 9131.14     | 9131.14      |
| 4         | Fabrication and Erection of Approach Bridge 1200x5000 mm at Pimpalgaon Chambhare MI Tank.<br>i) ISMC 300x90 - 794.60 Kg<br>ii) ISA 65x65x6 - 516.75 Kg<br>iii) Chequered Plate 6 mm - 5 m x 1.2 m - 1 No - 353.73 Kg<br>iv) M. S. Plate 10 mm - 103.03 Kg<br>Work include material, machining, sundry material, & labour charges etc complete work. (As per RA-4)                                                                                                        | 1        | No (198817.59) | (198817.59)  |
| 5         | Providing and fixing gauge plate of FRP sheet very sturdy both sides, gelcoat finish composite material, sandwich with M S strip by contact moulding process, engraved moulded band width and figures with computerised gauge marking with reflective radium pasting, spray lamination with polyurethane chemical for surface protection including material reqd for fixing, nut bolts, washers, Nylon rope, hanger, drilling machine etc. complete as directed (RA - 5) | 1        | No (79063.64)  | (79063.6383) |
| <b>B)</b> | <b>Repair to Canal Outlets of Pimpalgaon Chambhare M. I. Tank</b>                                                                                                                                                                                                                                                                                                                                                                                                        |          |                |              |
|           | <b>Repair to Canal Outlets Size 0.3x0.3 Mtr</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |          |                |              |
| i)        | Dismantling of Stem Rod, Hoist & Skin Plate by Gas cutting and refitting of same of Canal Gate of size 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr - 1 No. Complete with cost of sundry material and labour charges. (RA - 6)                                                                                                                                                                                                                                                         | 13       | No 3853.15     | 50090.95     |
| ii)       | Replacement of New stem rod of 32 mm dia - 1.5 Mtr long - 1 No. of Canal Gate of size 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr Complete including cost of material and machining charges. (RA - 7)                                                                                                                                                                                                                                                                                 | 13       | No (2398.75)   | (31183.75)   |
| iii)      | Replacement of Stem nut for 32 mm dia stem rod of Canal Gate of size 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr Complete including cost of material and machining charge (RA - 8)                                                                                                                                                                                                                                                                                                    | 13       | No (3111.31)   | (40447.09)   |
| iv)       | Dismantalling and fitting Phosphor Bronze Guide Bush - 2 No. of Hoist of Canal Gate of size 0.3 x 0.3 Mtr. Complete with cost of material, sundry material and labour charges (RA - 9)                                                                                                                                                                                                                                                                                   | 13       | No 1143.83     | 14869.73     |
| v)        | Repair to Hoist Body by fabrication & Erection of new hoist assembly with bearing housing for canal gate of size 0.3x0.3 M canal gate (RA - 10)                                                                                                                                                                                                                                                                                                                          | 13       | No (3396.03)   | 44148.40     |
| vi)       | Anti corrosive Painting of Gate Assembly size 0.3 x 0.3 mtr (RA - 11)                                                                                                                                                                                                                                                                                                                                                                                                    | 13       | No (778.66)    | 10122.63     |

|       |                                                                                                                                                                                                |   |      |                             |             |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------|-----------------------------|-------------|
|       | Repair to Canal Outlets Size 0.45x0.45 Mtr                                                                                                                                                     |   |      |                             |             |
| vii)  | Dismantling of Stem Rod, Hoist & Skin Plate by Gas cutting and refitting of same of Canal Gate of size 0.45x0.45 Mtr - 1 No. Complete with cost of sundry material and labour charges (RA - 6) | 3 | No   | 3853.15                     | 11550.45    |
| viii) | Replacement of New stem rod of 32 mm dia - 1.5 Mtr long - 1 No. of Canal Gate of size 0.45x0.45 Mtr Complete including cost of material and machining charges (RA - 7)                         | 3 | No   | 2398.75                     | 7196.25     |
| ix)   | Replacement of Stem nut for 32 mm dia stem rod of Canal Gate of size 0.45x0.45 Mtr Complete including cost of material and machining charge (RA - 8)                                           | 3 | No   | (3111.31)                   | (9333.94)   |
| x)    | Dismantalling and fitting Phosphor Bronze Guide Bush - 2 No. of Hoist of Canal Gate of size 0.45x0.45 Mtr. Complete with cost of material, sundry material and labour charges (RA - 9)         | 3 | No   | 1143.83                     | 3431.48     |
| xi)   | Repair to Hoist Body by fabrication & Erection of new hoist assembly with bearing housing for canal gate of size 0.45x0.45 Mtr canal gate (RA - 10)                                            | 3 | No   | (3396.03)                   | (10188.09)  |
| xii)  | Anti corrosive Painting of Gate Assembly size 0.45x0.45 Mtr (RA-12)                                                                                                                            | 3 | No   | 1062.80                     | 3188.40     |
| C)    | Transportation From Akola to Pimpalgaon Chambhare Minor Project by 7.5 MT cap Truck 1 trip (RA-)                                                                                               | 1 | trip | 5642.77                     | 5642.77     |
|       |                                                                                                                                                                                                |   |      |                             |             |
|       |                                                                                                                                                                                                |   |      | Total :                     | (551735.77) |
|       |                                                                                                                                                                                                |   |      | Add 1 % Insurance Charges : | ( 5517.36 ) |
|       |                                                                                                                                                                                                |   |      | Add 18% GST :-              | (99312.44)  |
|       |                                                                                                                                                                                                |   |      | Say :                       | (656566.00) |

1) Rates of Material are taken as per Schedule of Rates for WRD CSR 2022-23, Mech CSR 2023-24, PWD SSR 2023-24 and as per Prevailing Market Rate.

2) Rates of steel section as per JPC Market Price Retail for 1st Jan 2025 proposed for Period 1-1-2025 to 31-3-2025

*U. J. Khole*  
U. J. Khole  
Sectional Engineer

*(R. G. Thakare)*  
(R. G. Thakare)  
Deputy Engineer  
Gate Manufacturing & Erection  
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Verified & Recommended to:  
Sanction to Rs (65,65,66) -

*V. D. K.*  
Executive Engineer  
Mechanical Division  
Akola

Sanctioned Estimate, No  
EE/MD/AK/2015...  
Sanction for Rs: 648267/- (Six lakh  
fourty eight thousand Two  
hundred sixty seven only)

*V. D. K.*  
Executive Engineer  
Mechanical Division  
Akola