



Vijay Kumar Mishra
Construction Pvt. Ltd.

A Project Engineering,
Procurement & Infrastructure
Construction Company

Ref No. - VKMCPL/ 585

Date :- 03/04/2024

Memo No. /VKMCPL

Rewa, Dated /04/2024

To,

Executive Engineer,
Teonthar Canal Division
Sirmour Distt. Rewa (M.P.)

Sub: The work of "Construction of TEONTHAR MICRO IRRIGATION PROJECT District Rewa M.P." under LOA no. 72/ Tender/ SAC/ 2023, Sirmor, Dated 20.01.2023". Regarding submission of Hydraulic Design & Drawings for 30 Ha to 5 Ha Micro Irrigation for comments/approval.

Sir,

With reference to subjected work, we are hereby submitting the Hydraulic Design & Drawings for 30 Ha to 5 Ha Micro Irrigation Network of the project. It is kindly requested to your esteemed office to review the submitted report & provide your valuable comments and approval please.

Encl: Hydraulic Design & Drawings for 30 Ha to 5 Ha Micro Irrigation (1 Set)

Thank you for your prompt attention to this request.

Yours faithfully
(For VKMCPL)

(Authorized Signatory)

Copy to:

1. The Chief Engineer, WRD Ganga Basin Rewa (M.P.)
 2. The Superintending Engineer, Bansagar Canal Circle, Rewa (M.P.).
- For necessary information and early action please.

Yours sincerely
(For VKMCPL)

(Authorized Signatory)

REGISTERED OFFICE: "VIJAY VILLA" 24/185 Dwarika Nagar, Rewa (M.P.) 486001
BRANCH OFFICE: "DWATIKA DHAM" A-54 11 Mile Graden City,
Bhojpur Road, Bhopal (M.P.) 462026

Phone No. : (07662) 242598, Cell : 9589280386, 9981120820
Email : vkmcplrewa@yahoo.com | Website : www.vkmcpl.com



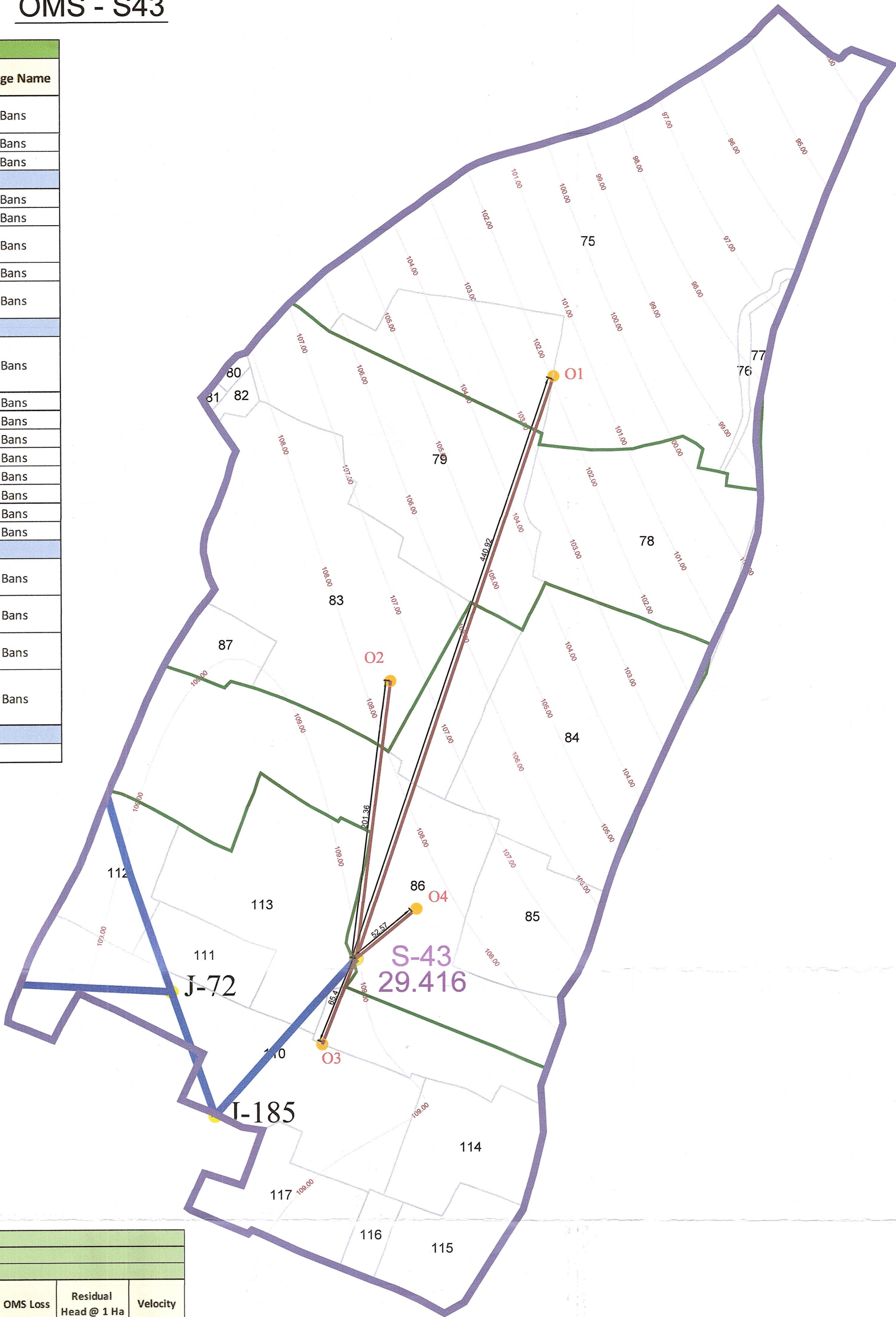
Water Resource | PWD | Railway
Jal Nigam | NDB | NVDA
Ward Bank | EXIM Bank

OMS - S43

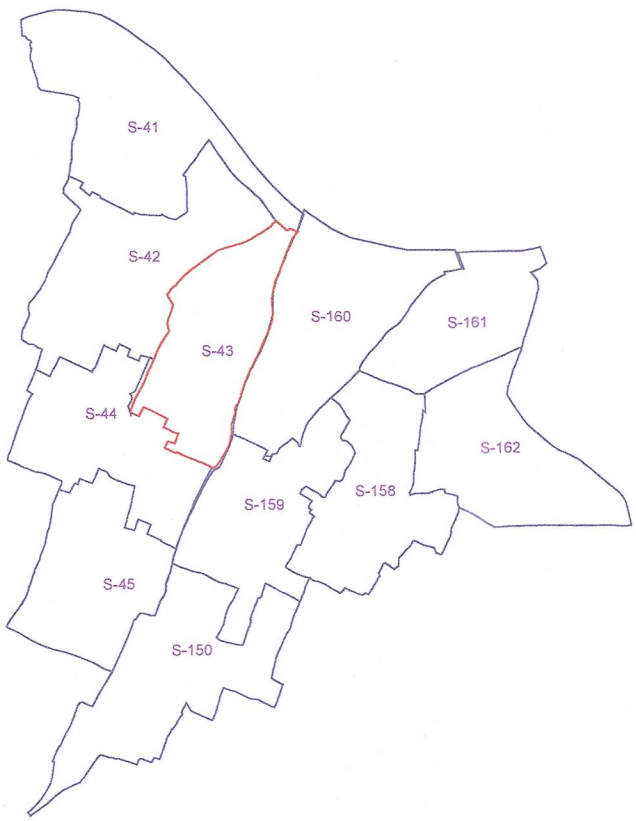
OMS NO-S43					
OUTLET NO.	KHASRA NO.	KHASRA AREA (HA)	Type of Land	Farmer Name	Village Name
O1	75/1/1,75/1/2,75/2	6.264	निजी	राजित प्रसाद -जगजीवनलाल, रामचन्द्र, अजीत कुमार रंजीत सिंह	Bans
	77/1,77/2	0.198	निजी	राजित प्रसाद -जगजीवनलाल, रामचन्द्र	Bans
	79	0.900	निजी	रामकुवेर पारसनाथ पिता रामअचल	Bans
TOTAL		7.362			
O2	78	1.805	निजी	तीरथ पि.स्वामीशरण ना.वली पि.स्वामीशरण	Bans
	79	2.568	निजी	रामकुवेर पारसनाथ पिता रामअचल	Bans
	83/1,83/2	2.700	निजी	राजित प्रसाद -जगजीवनलाल -शिवकुमार - शिवअचल, रामचन्द्र	Bans
	87	0.299	निजी	रामकुवेर पारसनाथ पिता रामअचल	Bans
	81	0.020	निजी	रामकिशोर -रामनेवाज -अवधनारायण लालजी - रामायण प्रसाद	Bans
TOTAL		7.392			
O3	86/1/क,86/1/ख/1,86/1/ख/2,86/1/ख/3,86/1/ख/4,86/2	0.633	निजी	मोतीलाल सिंह, भगवानदीन, गुलाव सिंह, मु. भवरकली, फूलचन्द्र, श्रीमती उर्मिला देवी	Bans
	110	2.007	निजी	संदीप सिंह विनय सिंह	Bans
	111	0.393	निजी	रामसागर	Bans
	112/1,112/2,112/3,112/4	0.583	निजी	भगवानदीन, गुलाव सिंह, मु. भवरकली, फूलचन्द्र	Bans
	113/1,113/2,113/3,113/4	1.565	निजी	भगवानदीन, गुलाव सिंह, मु. भवरकली, फूलचन्द्र	Bans
	114	0.781	निजी	रामभद्र	Bans
	115	0.607	निजी	रामभद्र	Bans
	116	0.129	निजी	रामभद्र	Bans
TOTAL		0.684	निजी	रामभद्र, विनय ना.वली पि.लक्ष्मीशंकर	Bans
O4	84	2.444	निजी	श्रीमती शकुंतला पति राजकमल आरती पति कृष्णकमल ब्रा0	Bans
	85/1,85/2	0.841	निजी	इन्द्रपाल अमरबहादुर बृजबिहारी, श्रीमती श्यामकली गौतम	Bans
	83/1,83/2	0.695	निजी	राजित प्रसाद -जगजीवनलाल -शिवकुमार - शिवअचल, रामचन्द्र	Bans
	86/1/क,86/1/ख/1,86/1/ख/2,86/1/ख/3,86/1/ख/4,86/2	3.300	निजी	मोतीलाल सिंह, भगवानदीन, गुलाव सिंह, मु. भवरकली, फूलचन्द्र, श्रीमती उर्मिला देवी	Bans
TOTAL		7.280			
OMS TOTAL		29.416			

NOTE: This drawing and design is the property of AWT PVT. LTD. and must not be copied or lent without their permission in writing.

MICRO IRRIGATION PROJECT														
UPTO 5 HA HYDRAULICS														
Hydraulic Calculation S-43														
Line No.	Start Node	End Node	Area (Ha)	Length (m)	Flow Rate(lps)	G.L. at Start(m)	G.L. at End(m)	Pipe type	Pipe Dia (OD)	Total Head Loss	Residual Head @ Start	OMS Loss	Residual Head @ 1 Ha	Velocity
S-43	J-185	S-43	29.416	153.00	10.30	109.000	109.550	HDPE	110	3.12	44.87	2.00	39.20	1.38
O1	S-43	O1	7.362	440.92	5.15	109.550	102.000	HDPE	75	15.25	39.20		31.50	1.45
O2	S-43	O2	7.392	201.36	5.15	109.550	108.000	HDPE	75	6.97	39.20		33.78	1.45
O3	S-43	O3	7.382	65.40	5.15	109.550	109.000	HDPE	75	2.26	39.20		37.49	1.45
O4	S-43	O4	7.280	52.57	5.15	109.550	108.000	HDPE	75	1.82	39.20		38.93	1.45



KEY MAP



LEGENDS

30 HA BOUNDARY	—	RIVER	—
30 HA CHAK NO.	S 43	1 Mtr. CONTOUR	—
OMS OUTLET LINE	—	5 Mtr. CONTOUR	—
MAIN GRAVITY LINE	—	KHASRA BOUNDARY	—
DISTRIBUTARY LINE	—	VILLAGE KHASRA	449/1
MINOR LINE	—	CANAL	—
NODE NO.	J-185	DRAINAGE	—
OUTLET	●	VILLAGE BOUNDARY	—
TEE POINT	○	BUILDING	—
OMS INLET LINE	—		
6 HA BOUNDARY	—		



GOVERNMENT OF MADHYA PRADESH
WATER RESOURCES DEPARTMENT

TEONTHAR MICRO IRRIGATION PROJECT
DISTRICT- REWA (M.P.)

CONTRACTOR:- VIJAY KUMAR MISHRA CONST. PVT. LTD.

CONSULTANT:- AWT ACMO WATER TECHNOLOGY INDIA PVT. LTD.

PIPELINE NETWORK PLANNING UPTO 5 HA CHAK

PREPARED BY:-

CHECKED BY:-

SUB ENGINEER

CHECKED BY:-

SUB DIVISIONAL ENGINEER

CHECKED BY:-

SUBMITTED BY:-

EXECUTIVE ENGINEER

TEONTHAR CANAL DIVISION SIRMOUR

DIST. REWA (M.P.)

ASSISTANT ENGINEER

EXECUTIVE ENGINEER

DRAWING NO:- AWT/PL/2024/R0/01

SHEET NO:-09/11

DATE:- 19/03/2024

*Note:- The tee point and pipe length may vary as per site condition.