

We Make Together... *Welding Consumables*



Raajratna Electrodes Pvt. Limited is an ISO 9001:2008 Company, manufacturing state of art welding consumables. Raajratna Electrodes is a part of "Raajratna Group", involved in Stainless Steel Wires, Bright Bars, Nails, Fasteners and Fine Wires as the major products offered and the Group's flagship company enjoys a status of Government Recognized Two Star Export House...

Raajratna's products are exported to more than 50 countries around the globe and have wide international presence.

At Raajratna Electrodes, we offer a complete range of Welding Consumables

- **MANUAL METAL ARC WELDING ELECTRODES (MMAW)**
- **COPPER COATED WELDING WIRES (TIG / MIG / SAW)**
- **STAINLESS STEEL WELDING WIRES (TIG / MIG / SAW)**
- **SUBMERGED ARC WELDING WIRES & FLUXES**
- **FLUX CORED ARC WELDING WIRES (FCAW)**

Our Welding Consumables are produced to meet international quality standards like AWS, DIN, BS, JIS etc. and we adopt latest and innovative technology. Our products carry approval from National and International agencies like LRS, ABS, IRS, DNV, PDIL, RDSO, BV, BIS, CIB, BAX COUNSEL, NPCIL etc.

Our production team is highly skilled and their aim is customer's delight. Quality assurance and R & D wings are always on the path of continual improvement with customer focused strategies.



Raajratna
electrodes pvt. ltd.

An ISO 9001:2008 Company

Welding Consumables

Welding Electrodes

Raajratna Grade	AWS Code
Low & Medium Tensile Steel Electrodes	
RATNA FS 12	E 6012
RATNA 6013	E 6013
RATNA 6013X	E 6013
RATNA 6013XX	E 6013
RATNA 7016/W	E 7016
RATNA 7018	E 7018

Low Alloy Electrodes for Low Temperature Services	
RATNA 7018 SPL	E 7018-1
RATNA 7018 M	E 7018A1
RATNA 7018 Ni	E 7018G
RATNA 8018 (Ni) SPL	E 8018G
RATNA 8018 C1	E 8018 C1
RATNA 8018 C2	E 8018 C2

Electrodes for High Tensile & Quenched & Tempered Steel	
RATNA HT	E 9018G
RATNA HT 75	E 10016G
RATNA HT SPL	E 11018M

Electrodes for Creep Resistant Steel	
RATNA CR 1	E 8018 B2
RATNA CR 2	E 9018 B3
RATNA CR 5	E 8018 B6
RATNA CR 9	E 8018 B8

Hard Facing Electrodes	
Raajratna Grade	Hardness
RATNA HF 1	240-280 BHN
RATNA HF 2	360-410 BHN
RATNA HF 3	54-60 HRC
RATNA HF LH	54-62 HRC
RATNA HF 5	54-60 HRC
RATNA HF MN	500-540 BHN (WH)

Raajratna Grade	AWS Code
Stainless Steel Electrodes	
RATNA 308	E 308-16
RATNA 308L	E 308L-16
RATNA 308H	E 308H
RATNA 309	E 309-16
RATNA 309L	E 309L-16
RATNA 309Cb	E 309Cb-16
RATNA 309Mo	E 309Mo-16
RATNA 310	E 310-16
RATNA 316	E 316-16
RATNA 316L	E 316L-16
RATNA 316LF	E 316L-16 (Nr.)
RATNA 316Cb	E 318-16
RATNA 317L	E 317L-16
RATNA 312	E 312-16
RATNA 347	E 347-16
RATNA 13 CR	E 410-15
RATNA 17CR	E 430-15
RATNA 18/8/5	E 307-16 (Nr.)

Cast Iron Electrodes	
CAST STEEL	ESt
CAST FN	ENi Fe Ci
CAST Ni	ENi Ci
CAST MONEL	ENi CuB

Cutting & Gouging Electrodes	
CUT ROD	---
GOUGE ROD	---

Ni & Nickel Based Electrodes	
RATNA BNi 65	Eni Cr Fe 2
RATNA BNi 70	Eni Cr Fe 3
RATNA Ni Cu	ENi Cu 7

Stainless Steel Welding Wires : (TIG/MIG/SAW)

Raajratna Grade	AWS A5.9	German DIN 8556	Nearest to BS 12072 : 2000	British BS 2901 PTS
RAAJ ER 308H	ER 308H	WK.1.4302	19.9 H	308S96
RAAJ ER 308L	ER 308L	WK.1.4316	19.9 L	308S92
RAAJ ER 316L	ER 316L	WK.1.4430	19.12.2L	316S92
RAAJ ER 309L	ER 309L	WK.1.4332	23.12.L	309S92
RAAJ ER 310	ER 310	WK.1.4842	25.20 H	310S94
RAAJ ER 312	ER 312	WK.1.4337	29.9	312S94
RAAJ ER 347	ER 347	WK.1.4551	19.9 Nb	347S96
RAAJ 430	AISI 430	WK.1.4015	17	---

Flux Cored Arc Welding Wires

RAAJCORED 70	AWS 5.20 E 70 T-1/1M	---	---	---
RAAJCORED 71	AWS 5.20 E 71 T-1/1M	---	---	---
RAAJCORED 71 (Spl)	AWS 5.20 E 71 T-5/5M	---	---	---

Copper Coated Welding Wires (TIG/MIG/SAW) Submerged Arc Welding Fluxes

Raajratna Grade	AWS A5.17/5.18	German DIN
RAAJ MIG-1	ER 70 S 6	8559 SG2
RAAJ TIG-1	ER 70 S 6	8559 SG3
RAAJ TIG-S2	ER 70 S 2	---
RAAJ SAW-1	EL 8	---
RAAJ SAW-2	EM 12 K	8557 S ₂ Si

Raajratna Grade	AWS A5.17/5.23
RAAJMELT-1	F7AZ-EL8
RAAJMELT-2	F7 A0 EM12K
RAAJMELT-3	F7 A2-EH14
RAAJMELT-SPL	F7 A2-EA2

The above are our regular grades; however, we also supply other grades as per specific requirement.



Raajratna Electrodes Pvt. Ltd.

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Manufacturer-Exporter of Welding Consumables

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